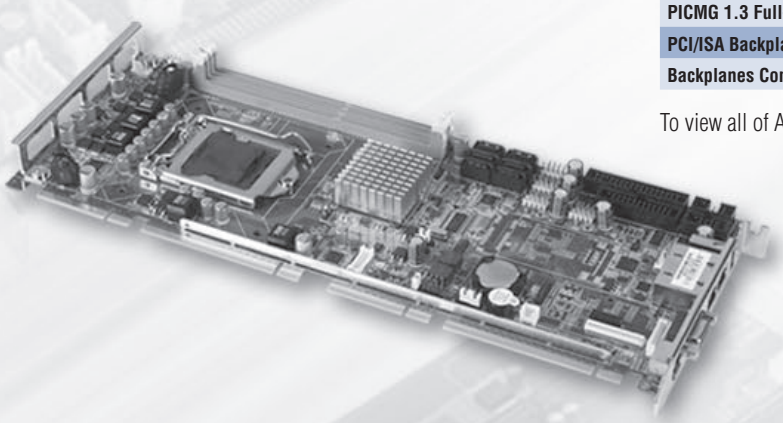
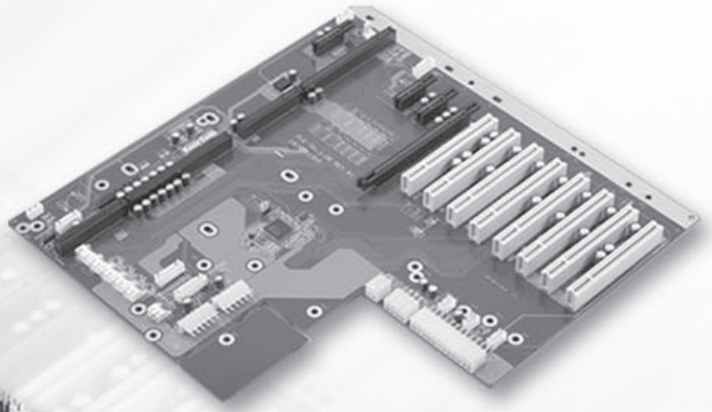
9

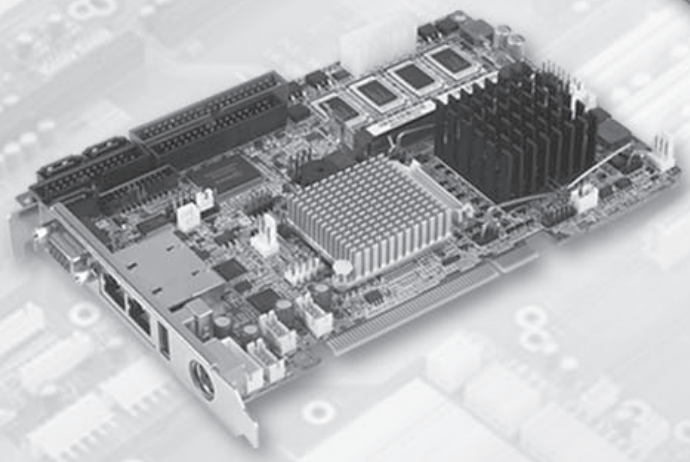
Slot SBCs & Passive Backplanes

Selection Guide		*9-2*
Extension Modules for Slot SBCs		*9-11*
PICMG 1.3 System Host Boards		
PCE-5020	LGA775 Intel Core 2 Duo SHB with VGA/Dual GbE	*9-12*
PCE-5124	LGA775 Intel Core 2 Quad SHB with VGA/Dual GbE/6 COM Ports	*9-13*
PCE-5125 (New)	LGA1156 Intel Core i7/i5/i3/Xeon SHB with DDR3/Dual GbE/SATA RAID	*9-14*
PCE-5126 (New)	LGA1155 Intel Core i7/i5/i3 SHB with DDR3/Dual GbE/SATA III	*9-15*
PCE-7214	Dual LGA771 Quad Core Xeon/Xeon LV SHB with VGA Dual GbE	*9-16*
PICMG 1.0 Single Board Computers		
PCA-6010	LGA775 Intel Core 2 Duo SBC with Dual GbE and DVI	*9-17*
PCA-6011 (New)	LGA775 Intel Core 2 Quad SBC with VGA/Dual GbE LAN	*9-18*
Half-Size Single Board Computers		
PCI-7020	LGA775 Intel Core 2 Duo PCI Half-size SBC with VGA/GbE LAN/SATA and SSD	*9-19*
PCI-7030	Intel Atom N270 PCI Half-size SBC with Dual GbE LAN/LVDS/DVI/SATA/6 COM	*9-20*
PCI-7031	Intel Atom N450/D510 PCI Half-size SBC with Onboard DDR2/VGA/LVDS/Dual GbE/SATA/COM	*9-21*
PCA-6742	Advantech EVA-X4300 ISA Half-size SBC with VGA/LCD/LAN/CFC/USB and PC104	*9-22*
PCA-6743	DM&P Vortex86DX ISA Half-size SBC with LVDS/LAN/PC104/CFC/8 COM	*9-23*
PCA-6782 (New)	Intel Atom N455/D525 ISA Half-size SBC with VGA/LVDS/GbE LAN/SATA/COM/CFC/FDD/PC104	*9-24*
Passive Backplanes		
PICMG 1.3 Full-size SHB Backplanes		*9-25*
PCI/ISA Backplanes		*9-29*
Backplanes Compatible with Half-size SBCs		*9-33*

To view all of Advantech's Slot SBCs and Passive Backplanes, please visit www.advantech.com/products.

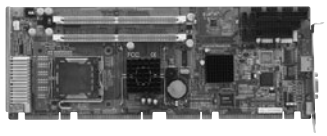


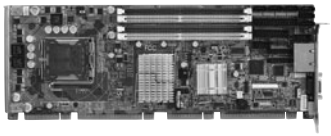




PICMG 1.3 System Host Boards

Selection Guide





Model Name		Core 2 Duo PICMG 1.3 SHB	Core 2 Quad PICMG 1.3 SHB
		PCE-5020	PCE-5124
Processor System	CPU	Intel Core 2 Duo/Pentium/Celeron 4XX/Pentium 4/ Celeron D LGA775 processors	Intel Core 2 Quad/Core 2 Duo/Pentium/Celeron 4XX LGA775 processors
	Max. Speed	3.06 GHz/3.06 GHz/2 GHz/3.4 GHz/3.6 GHz	3.00 GHz/3.33 GHz/3.06 GHz/2 GHz
	Cache	L2: 4 MB/2 MB/512 KB/2 MB/512 KB	L2: 12 MB/6 MB/2 MB/512 KB
	Chipset	Intel 945GC + ICH7/7R	Intel Q35 + ICH9DO
	BIOS	Award 4 Mbit FWH	AMI 16 Mbit SPI Flash
	FSB	1066/800/533 MHz	1333/1066/800/533 MHz
Bus	PCIe Back Plane	One x16 & four x1	One x16 & four x1
	PCI	32-bit/33 MHz PCI	32-bit/33 MHz PCI
Graphics	Controller	Chipset integrated Intel Graphics Media Accelerator 950	Chipset integrated Intel Graphics Media Accelerator 3100
	VRAM	Shared with 224 MB system memory	Shared with 384 MB system memory
	LCD	-	-
Ethernet	Interface	10/100/1000 Mbps	10/100/1000 Mbps
	Controller	Intel 82573L/Intel 82573L	Intel 82566DM/82573V
	Connector	RJ-45 x 2	RJ-45 x 2
	Disabled in BIOS	Yes	Yes
Memory	Technology	Dual-channel DDR2 533/667 MHz	Dual-channel DDR2 667/800 MHz
	Max. Capacity	4 GB	8 GB
	Socket	240-pin DIMM x 2	240-pin DIMM x 4
SATA	Max. Data Transfer Rate	300 MB/s	300 MB/s
	Channel	4	6
	RAID	0, 1, 5, 10	0, 1, 5, 10
EIDE	Mode	ATA 100/66/33	-
	Channel	1 (Max. two devices)	-
I/O Interface	USB	Max. 8 (USB 2.0 compliant) 4 on SHB by pin headers, 4 to backplane	Max. 12 (USB 2.0 compliant) 8 on SHB by pin headers, 4 to backplane
	Serial	4 (1 RS-485 and 3 RS-232) with pin headers	6 (1 RS-485 and 5 RS-232) with pin headers
	Parallel	1 (SPP/EPP/ECP)	1 (SPP/EPP/ECP)
	FDD	1	1
	PS/2	1	1
	LAN	1 (for VG version) 2 (for G2 version)	1 (for VG version) 2 (for G2 version)
	OBS (Onboard Security Hardware Monitor)	Yes	Yes
Watchdog Timer	Output	System reset	System reset
	Interval	Programmable, 1~255 min/sec	Programmable, 1~255 min/sec
Miscellaneous	Audio	PCA-AUDIO-HDA1E	PCA-AUDIO-HDA1E
	Advantech SNMP-1000	-	Yes
	IPMI	-	Optional
	Solid State Disk	Optional (CompactFlash Type I/II)	-
Page		9-12	9-13

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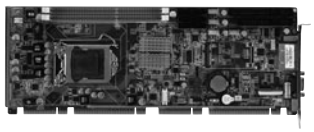

Core i7/i5/i3 PICMG 1.3 SHB
PCE-5125
LGA1156 Intel Xeon/Core i7/Core i5/Core i3/Pentium
2.93 GHz/2.93 GHz/3.60 GHz/3.06 GHz/2.8 GHz
L3: 8 MB/8 MB/8 MB/4 MB/4 MB/3 MB
Q57 for QG2 version; 3450 for WG2 version
AMI 64 Mbit SPI Flash
-
Two x8/One x16 & four x1
32-bit/33 MHz PCI
Chipset integrated Intel HD Graphics
1 GB maximum shared memory with 2 GB and above system memory installed
-
10/100/1000 Mbps
QG2: Intel 82578DM/82583V; WG2: Intel 82578DM/82574L
RJ-45 x 2
Yes
Dual-channel (ECC) DDR3 800/1066/1333 MHz (Only WG2 version supports ECC memory)
8 GB
240-pin DIMM x 2
300 MB/s
6
0, 1, 5, 10
-
-
13 (USB 2.0 compliant) 9 on SHB by pin headers, 4 to backplane
2 RS-232 with pin headers
1 (SPP/EPP/ECP)
1
1
-
2
Yes
System reset
Programmable, 1~255 min/sec
PCA-AUDIO-HDA1E
Yes
-
-
9-14

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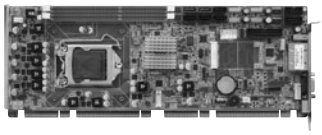
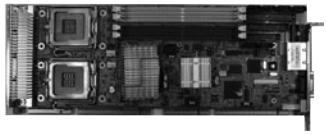
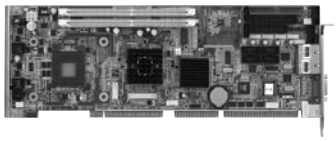


Core i7/i5/i3 PICMG 1.3 SHB
PCE-5126
Intel Xeon/Core i7/Core i5/Core i3 LGA1155 processors
3.4 GHz/3.4 GHz/3.1 GHz/3.3 GHz
L3: 8 MB/8 MB/6 MB/3 MB
B65 for QVG version; Q67 for QG2 version; C206 for WG2 version
AMI 64 Mbit SPI Flash
-
Two x8/One x16 & four x1
32-bit/33 MHz PCI
Chipset integrated Intel HD Graphics
1 GB maximum shared memory with 2 GB and above system memory installed
-
10/100/1000 Mbps
QVG: Intel 82579LM; QG2: Intel 82579LM/82583V; WG2: Intel 82579LM/82574L
RJ-45 x 2 for QG2 & WG2 version; RJ-45 x 1 for QVG version
Yes
Dual-channel (ECC) DDR3 1066/1333 MHz (Only WG2 version supports ECC memory)
8 GB
240-pin DIMM x 2
300 MB/s SATA2 & 600 MB/s SATA3
QG2 & WG2 : 2 x 600 MB/s ; 4 x 300 MB/s (SW RAID); QVG : 1 x 600 MB/s ; 5 x 300 MB/s
0, 1, 5, 10
-
-
QG2/QG2: 13 (USB 2.0 compliant) 9 on SHB by pin headers, 4 to backplane ; QVG: 10 (USB 2.0 compliant) 6 on SHB by pin headers, 4 to backplane
2 RS-232 with pin headers
1 (SPP/EPP/ECP)
-
1
1 (for QVG version)
2 (for QG2/WG2 version)
Yes
System reset
Programmable, 1~255 min/sec
PCA-AUDIO-HDA1E
Yes
-
-
9-15



Dual Quad Core Xeon PICMG 1.3 SHB
PCE-7214
Dual Intel Quad Core or Dual Core Xeon / Xeon LV LGA771 processors
3.16 GHz/3.33 GHz
L2: 12 MB/6 MB
Intel 5100 + ICH9R
AMI 32 Mbit SPI Flash
1066/1333 MHz
Two x8/one x16 & one x4
32-bit/33 MHz PCI
XGI Volari Z11 (PCIe X1)
32 MB frame buffer memory
-
10/100/1000 Mbps
Intel 82566DM/82573V
RJ-45 x 2
Yes
Dual-channel DDR2 533/667 MHz (ECC Registered DIMMs)
32 GB
240-pin DIMM x 4
300 MB/s SATA2
6
0, 1, 5, 10
ATA 100/66/33
1 (Max. two devices)
Max. 12 (USB 2.0 compliant) 8 on SHB by pin headers, 4 to backplane
2 (RS-232) with pin headers
1 (SPP/EPP/ECP)
1
1
2
-
Yes
System reset
Programmable, 1~255 min/sec
PCA-AUDIO-HDA1E
Yes
Optional
-
9-16

PICMG 1.0 Single Board Computers



Selection Guide

Model Name		Pentium M PICMG 1.0 SBC
		PCA-6008
Processor System	CPU	Intel Pentium M/Celeron M (G2 version only) Onboard Celeron M (VG version only)
	Max. Speed	2.26/1.7 GHz (G2 version only) 1.0 GHz/600 MHz (VG version only)
	Max. L2 Cache	G2: 1 MB, 2 MB VG: 512 KB
	Chipset	Intel 915GME+ ICH6M (G2 version only) Intel 910GMLE+ ICH6M (VG version only)
	BIOS	Award 4 Mbit FWH
	FSB	533/400 MHz
Bus	PCI	32-bit/33 MHz PCI
	ISA	HISA (ISA High Driver)
Graphics	Controller	Chipset integrated Intel Graphics Media Accelerator 900
	VRAM	Shared with system memory up to 128 MB
	LCD	LVDS/DVI (G2 version only)
Ethernet	Interface	10/100/1000 Mbps
	Controller	LAN1: RTL8111B LAN2: RTL8111B
	Connector	RJ-45 x 2
	Disabled in BIOS	Yes
Memory	Technology	Dual-channel DDR2 533/400 MHz
	Max. Capacity	2 GB
	Socket	240-pin DIMM x 2
SATA	Max. Data Transfer Rate	150 MB/s
	Channel	2
	RAID	-
EIDE	Mode	ATA 100/66/33
	Channel	1 (Max. two devices)
I/O Interface	USB	8 (USB 2.0, for G2 version) 4 (USB 2.0, for VG version)
	Serial	G2 version: 5 (RS-232)/1 (RS-232/422/485) VG version: 1 (RS-232)/1 (RS-232/422/485)
	Parallel	1 (EPP/ECP/SPP)
	FDD	1
	PS/2	1
	LAN	1 (for VG version) 2 (for G2 version)
	OBS (Hardware Monitor)	Yes
Watchdog Timer	Output	Interrupt, system reset
	Interval	Programmable, 1~255 min/sec
Miscellaneous	Audio	PCA-AUDIO-00A1E
	Advantech SNMP-1000-B	Yes
	Solid State Disk	CompactFlash Type I/II
Page		online

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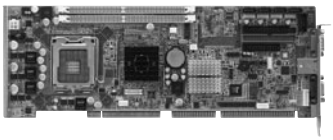
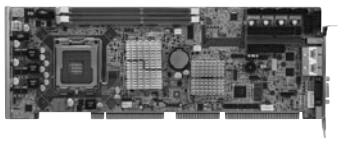
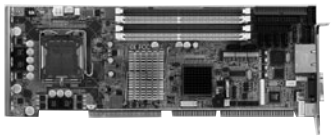
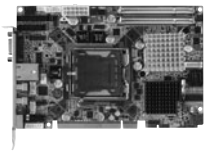


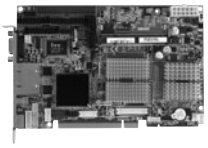




Core 2 Duo PICMG 1.0 SBC	Core 2 Quad PICMG 1.0 SBC	Core 2 Duo PICMG 1.0 SBC
PCA-6010	PCA-6011	PCA-6194
Intel Core 2 Duo/Pentium/Celeron 4XX/Pentium 4/ Celeron D LGA775 processors	Intel Core 2 Quad/Core 2 Duo/Pentium/Celeron 4XX/ Pentium 4/Celeron D LGA775 processors	Intel Core 2 Duo/Pentium/Celeron 4XX/Pentium 4/ Celeron D LGA775 processors
3.06 GHz/3.06 GHz/2 GHz/3.4 GHz/3.6 GHz	2.66 GHz/3.06 GHz/3.06 GHz/2 GHz/3.4 GHz/ 3.6 GHz	3.06 GHz/3.06 GHz/2 GHz/3.4 GHz/3.6 GHz
4 MB/2 MB/512 KB/2 MB/512 KB	6 MB/4 MB/2 MB/512 KB/2 MB/512 KB	4 MB/2 MB/512 KB/2 MB/512 KB
Intel 945GC + ICH7	Intel G41 + ICH7 (VG version only) Intel G41 + ICH7R (G2 version only)	Intel Q965 + ICH8DO
Award 8 Mbits SPI Flash	AMI 16 Mb SPI Flash	Award 16 Mbit SPI Flash
1066/800/533 MHz	1333/1066/800 MHz	1066/800/533 MHz
32-bit/33 MHz PCI	32-bit/33 MHz PCI	32-bit/33 MHz PCI
HISA (ISA High Drive)	HISA (ISA High Drive)	HISA (ISA High Drive)
Chipset integrated Intel Graphics Media Accelerator 950	Intel Graphics Media Accelerator X4500	Chipset integrated Intel Graphics Media Accelerator 3000
Shared with system memory up to 224 MB	Shared with 352 MB system memory	Shared with system memory up to 256 MB
DVI (G2 version only)	DVI (Optional)	-
10/100/1000 Mbps	10/100/1000 Mbps	10/100/1000 Mbps
LAN1: Intel 82574L LAN2: Intel 82574L	LAN1: Intel 82573V LAN2: Intel 82573V	LAN1: Intel 82566DM LAN2: Intel 82573V
RJ-45 x 2	RJ-45 x 2	RJ-45 x 2
Yes	Yes	Yes
Dual-channel DDR2 667/533 MHz	Dual-channel DDR3 1066/800 MHz	Dual-channel DDR2 800/667/533 MHz
4 GB	4 GB	8 GB
240-pin DIMM x 2	240-pin DIMM x 2	240-pin DIMM x 4
300 MB/s	300 MB/s	300 MB/s
4	4	6
-	0, 1, 5, 10 (G2 version only)	0, 1, 5, 10
ATA 100/66/33	ATA 100/66/33	ATA 100/66/33
1 (Max. two devices)	1 (Max. two devices)	1 (Max. two devices)
8 (USB 2.0, for VG version) 7 (USB 2.0, for G2 version)	8 (USB 2.0, for VG version) 7 (USB 2.0, for G2 version)	6 (USB 2.0)
2 (RS-232)	2 (RS-232)	1 (RS-232)/1 (RS-232/422/485)
1 (SPP/EPP/ECP)	1 (SPP/EPP/ECP)	1 (SPP/EPP/ECP)
1	1	1
1	1	1
1 (for VG version) 2 (for G2 version)	1 (for VG version) 2 (for G2 version)	1 (for VG version) 2 (for G2 version)
Yes	Yes	Yes
Interrupt, system reset	Interrupt, system reset	Interrupt, system reset
Programmable, 1~255 min/sec	Programmable, 1~255 min/sec	Programmable 1~255 min/sec
PCA-AUDIO-HDA1E	PCA-AUDIO-HDA1E	PCA-AUDIO-HDA1E
Yes	Yes	Yes
CompactFlash Type I/II (G2 version only)	(Optional)	-
9-17	9-18	online

Half-Size Single Board Computers





Selection Guide

Specifications		PCI Half-size SBC	PCI Half-size SBC
		PCI-7020	PCI-7030
Processor System	CPU	Intel Core 2 Duo/Pentium/Celeron 4xx/ Pentium 4/Celeron D LGA775 processors	Intel Atom N270 processor onboard
	Max. Speed	3.06 GHz/3.06 GHz /2 GHz/3.4 GHz/3.6 GHz	1.6 GHz
	L2 Cache	4 MB/2 MB/512 KB/2 MB/512 KB	512 KB
	Chipset	Intel 945GC + ICH7R	Intel 945GSE+Intel ICH7M
	BIOS	Award 8 Mbit SPI Flash	Award SPI 8 Mbit SPI Fash
	FSB	533/800/1066 MHz	400/533 MHz
Bus	PCIe back plane	-	-
	PCI	32-bit/33 MHz PCI	32-bit/33 MHz PCI
	ISA	-	-
Graphics	Controller	Chipset integrated Intel Graphics Media Accelerator 950	Chipset integrated Intel Graphics Media Accelerator 950
	VRAM	Shared with system memory up to 224 MB	Shared with system memory up to 224 MB
	DVI	Yes	Yes
	LCD	-	Dual-channel 36-bit LVDS
Ethernet	Interface	10/100/1000 Mbps	10/100/1000 Mbps
	Controller	Intel 82574L	Intel 82574L
	Connector	RJ-45 x 1	RJ-45 x 1 (VG Version) RJ-45 x 2 (G2 Version)
	Disabled in BIOS	Yes	Yes
Memory	Technology	Dual-channel DDR2 533/667 MHz	Single-Channel DDR2 400/533 MHz
	Max. Capacity	4 GB	1 GB
	Socket	200-pin SODIMM x 2	200-pin SODIMM x 1
SATA	Max. Data Transfer Rate	300 MB/s	150 MB/s
	Channel	3	2
	RAID	-	-
EIDE	Mode	-	Ultra ATA 100/66/33
	Channel	-	1 (Max. 2 devices)
I/O Interface	USB	6	6 (VG Version) or 5 (G2 Version)
	Serial	2 x RS-232 Optional: 4 x RS-422/485 w/Auto-flow by COM module	2 x RS-232 Optional: 4 x RS-422/485 w/Auto-flow by COM module
	Parallel	1	1
	FDD	-	1
	PS/2	1	1
	LAN	1	1 (VG version) 2 (G2 version)
	OBS (Onboard Security Hardware Monitor)	Yes	Yes
Watchdog Timer	Output	System reset	System reset
	Interval	Programmable, 1~255 min/sec	1 min/sec or Max 65535 min/sec
Miscellaneous	Audio	PCA-AUDIO-HDA1E	PCA-AUDIO-HDA1E
	Advantech SNMP-1000	-	-
	IPMI	-	-
	Solid State Disk	CompactFlash Type I/II	CompactFlash Type I/II
Page		9-19	9-20

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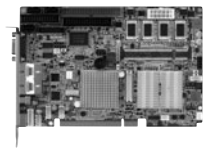
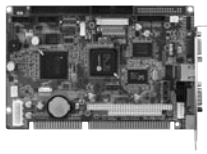
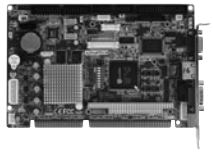
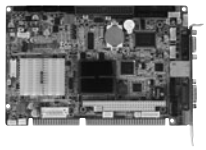





PCI Half-size SBC	ISA Half-size SBC	ISA Half-size SBC	ISA Half-size SBC
PCI-7031	**PCA-6742**	**PCA-6743**	**PCA-6782**
Intel Atom D510/N450	Advantech EVA-X4300	DM&P Vortex86DX	Intel Atom D525/N455
1.66 GHz	300 MHz	800 MHz	D525 1.8 GHz/N455 1.6 GHz
512 KB (N450)/1 MB (D510)	L1 Cache 32 KB	256 KB	512 KB (N455)/1 MB (D525)
Intel Atom D510/N450+ICH8M	Advantech EVA-X4300	DM&P Vortex86DX	Intel Atom D525/N455+ICH8M
AMI 16 Mbit SPI Flash	Award integrated 256 KB ROM in EVA-X4300	Award integrated 256 KB ROM in Vortex86DX	AMI 16 Mbit SPI Flash
-	-	-	-
-	-	-	-
32-bit/33 MHz PCI	-	-	-
-	8/16-bit 8 MHz ISA	16-bit/8 MHz ISA	16-bit/Gold Finger
Embedded Gen3.5+ GFX Core technology	Chipset integrated VGA controller	Chipset integrated VGA controller	Embedded Gen3.5+ GFX Core technology
Shared with system memory up to 224 MB	4 MB display memory	4 MB display memory	Shared with system memory up to 224 MB
-	-	-	-
Single channel 18-bit LVDS	24-bit LVDS (optional) or 24-bit TTL	24-bit LVDS (optional) or 24-bit TTL	Single channel 18-bits LVDS
10/100/1000 Mbps	10/100 Mbps	10/100 Mbps	10/100/1000 Mbps
LAN1: Intel 82567V LAN2: Intel 82583V	Realtek RTL8100CL	LAN on Vortex86DX	Intel 82567V
RJ-45 x 2	RJ-45 x 1 (VE Version) - (LV Version)	RJ-45 x 1	RJ-45 x 1
Yes	Yes	Yes	Yes
Onboard 1G DDR2 667 MHz (for PCI-7031N) Single Channel DDR2 667 MHz (for PCI-7031D)	Default onboard DDR 2 128 MB	Default onboard DDR2 256 MB (for VE SKU) Default onboard DDR2 512 MB (for F SKU)	Single-Channel DDR2 667 MHz (for PCA-6782N) Single-Channel DDR2 667/800 MHz (for PCA-6782D)
1 GB (for PCI-7031N) 2 GB (for PCI-7031D)	-	-	2 GB
200-pin SODIMM x 1	-	-	200-pin SODIMM x 1
300 MB/s	-	150 MB/s	300 MB/s
3	-	1 (for F SKU)	3
-	-	-	-
ATA 100/66/33	PIO 4	UDMA 100	ATA 100/66/33
1 (Max. 2 devices)	1 (Max. 2 devices)	1 (Max. 2 devices)	1 (Max. 2 devices)
7	4	4	8
2 x RS-232 Optional: 4 x RS-422/485 w/Auto-flow by COM module	1 x RS-232/422/485 3 x RS-232	1 x RS-232 1 x RS-232/RS-422/RS-485	2 x RS-232 Optional: 4 x RS-422/485 w/Auto-flow by COM module
1	1	1	1
1	(Optional)	1	1
1	1	1	1
2	1 (VE) - (LV)	1	1
Yes	Yes	Yes	Yes
System reset	System reset/IRQ11	System reset/IRQ11	System reset
Programmable, 1~255 min/sec	Programmable, 1~255 min/sec	Programmable, 1~255 min/sec	Programmable, 1~255 min/sec
PCA-AUDIO-HDA1E	-	-	PCA-AUDIO-HDA1E
-	-	-	-
-	-	-	-
CompactFlash Type I/II	CompactFlash Type I/II	CompactFlash Type I/II	CompactFlash Type I/II
9-21	9-22	9-23	9-24

PICMG 1.3 Full-Size SHB Backplanes

Server Grade: Compatible with PCE-7XXX Series CPU Boards

Yes: Supported/-: Not supported

Model Name	PCIe				PCI-X			PCI	Rackmount Chassis					
	x16	x8	x4	x1	64/66	64/100	64/133	32/33	ACP-1010	ACP-1320	ACP-2000EBP	IPC-602EBP	IPC-510	IPC-610
PCE-7B03V-01A1E	-	1	-	-	-	-	-	1	Yes	Yes	-	-	-	-
PCE-7B03V-00A1E	-	2	-	-	-	-	-	-	Yes	Yes	-	-	-	-
PCE-7B06V-04A1E	-	1	-	-	-	-	-	4	-	-	Yes	Yes	-	-
PCE-7B06V-30A1E	-	2	-	-	-	2	1	-	-	-	Yes	Yes	-	-
PCE-7B05-20A1E	-	2	-	-	-	-	2	-	-	-	-	-	-	-
PCE-7B06-04A1E	-	1	-	-	-	-	-	4	-	-	-	-	-	-
PCE-7B06-40A1E	-	1	-	-	-	4	-	-	-	-	-	-	-	-
PCE-7B08-04A1E	-	2	1	-	-	-	-	4	-	-	-	-	-	-
PCE-7B13-64B1E	-	2	-	-	4	2	-	4	-	-	-	-	-	Yes
PCE-7B13-07A1E	-	2	3	-	-	-	-	7	-	-	-	-	-	Yes
PCE-7B10-04A1E	-		5	-	-	-	-	4	-	-	-	-	-	Yes
PCE-7B13D-04A1E	-	1, 2	-	-	-	-	-	4	-	-	-	-	-	-
PCE-7B19-88A1E	-	2	-	-	8	-	-	8	-	-	-	-	-	-
PCE-7B16Q-02A1E	-	1	-	-	-	-	-	2	-	-	-	-	-	-

Model Name	Rackmount Chassis											Wallmount/Desktop Chassis			
	IPC-611	IPC-630	ACP-4000	ACP-4010	ACP-4320	ACP-4360	IPC-623	ACP-5360	IPC-622	ACP-7360	IPC-6025	IPC-6606	IPC-6806	IPC-6608	IPC-6908
PCE-7B03V-01A1E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCE-7B03V-00A1E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCE-7B06V-04A1E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCE-7B06V-30A1E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCE-7B05-20A1E	-	-	-	-	-	-	-	-	-	-	Yes	-	-	-	-
PCE-7B06-04A1E	-	-	-	-	-	-	-	-	-	-	-	Yes	-	-	-
PCE-7B06-40A1E	-	-	-	-	-	-	-	-	-	-	-	Yes	-	-	-
PCE-7B08-04A1E	-	-	-	-	-	-	-	-	-	-	-	-	-	Yes	Yes
PCE-7B13-64B1E	Yes	Yes	Yes	Yes	Yes	Yes	-	-	-	-	-	-	-	-	-
PCE-7B13-07A1E	Yes	Yes	Yes	Yes	Yes	Yes	-	-	-	-	-	-	-	-	-
PCE-7B10-04A1E	Yes	Yes	Yes	Yes	Yes	Yes	-	-	-	-	-	-	-	-	-
PCE-7B13D-04A1E	-	-	-	Yes	-	-	-	-	-	-	-	-	-	-	-
PCE-7B19-88A1E	-	-	-	-	-	-	Yes	Yes	-	Yes	-	-	-	-	-
PCE-7B16Q-02A1E	-	-	-	-	-	-	Yes	Yes	-	Yes	-	-	-	-	-

Desktop: Compatible with PCE-5XXX Series CPU Boards

Yes: Supported/-: Not supported

Model Name	PCIe				PCI-X			PCI	Rackmount Chassis					
	x16	x8	x4	x1	64/66	64/100	64/133	32/33	ACP-1010	ACP-1320	ACP-2000	IPC-602	IPC-510	IPC-610
PCE-5B03V-01A1E	1	-	-	-	-	-	-	1	Yes	Yes	-	-	-	-
PCE-5B03V-00A1E	1		1	-	-	-	-	-	Yes	Yes	-	-	-	-
PCE-5B06V-04A1E	1	-	-	-	-	-	-	4	-	-	Yes	Yes	-	-
PCE-5B05V-30A1E	1	-	-	-	-	2	1	-	-	-	Yes	Yes	-	-
PCE-5B06V-00A1E	1	-	-	4	-	-	-	-	-	-	Yes	Yes	-	-
PCE-5B05-02A1E	1	-	1	-	-	-	-	2	-	-	-	-	-	-
PCE-5B05-04A1E	-	-	-	-	-	-	-	4	-	-	-	-	-	-
PCE-5B04-20A1E	1	-	-	-	-	-	2	-	-	-	-	-	-	-
PCE-5B06-04A1E	1	-	-	-	-	-	-	4	-	-	-	-	-	-
PCE-5B06-00A1E	1	-	-	4	-	-	-	-	-	-	-	-	-	-
PCE-5B06-40A1E	1	-	-	-	-	4	-	-	-	-	-	-	-	-
PCE-5B07-04A1E	1	-	1	-	-	-	-	4	-	-	-	-	-	-
PCE-5B08-02A1E	1	-	-	4	-	-	-	2	-	-	-	-	-	-
PCE-5B12-64B1E	1	-	-	-	4	2	-	4	-	-	-	-	-	Yes
PCE-5B12-07A1E	1	-	3	-	-	-	-	7	-	-	-	-		Yes
PCE-5B13-08A1E	1	-	-	3	-	-	-	8	-	-	-	-	-	Yes
PCE-5B10-04A1E	1	-	-	4	-	-	-	4	-	-	-	-	-	Yes
PCE-5B12D-04A1E	1	-	-	-	-	-	-	4	-	-	-	-	-	-
PCE-5B18-88A1E	1	-	-	-	8	-	-	8	-	-	-	-	-	-
PCE-5B16Q-02A1E	1	-	-	-	-	-	-	2	-	-	-	-	-	-

Model Name	Rackmount Chassis										Wallmount/Desktop Chassis				
	IPC-611	IPC-630	ACP-4000	ACP-4010	ACP-4320	ACP-4360	IPC-623	ACP-5360	IPC-622	ACP-7360	IPC-6025	IPC-6606	IPC-6806	IPC-6608	IPC-6908
PCE-5B03V-01A1E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCE-5B03V-00A1E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCE-5B06V-04A1E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCE-5B05V-30A1E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCE-5B06V-00A1E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCE-5B05-02A1E	-	-	-	-	-	-	-	-	-	-	Yes	-	-	-	-
PCE-5B05-04A1E	-	-	-	-	-	-	-	-	-	-	Yes	-	-	-	-
PCE-5B04-20A1E	-	-	-	-	-	-	-	-	-	-	Yes	-	-	-	-
PCE-5B06-04A1E	-	-	-	-	-	-	-	-	-	-	-	Yes	-	-	-
PCE-5B06-00A1E	-	-	-	-	-	-	-	-	-	-	-	Yes	-	-	-
PCE-5B06-40A1E	-	-	-	-	-	-	-	-	-	-	-	Yes	-	-	-
PCE-5B07-04A1E	-	-	-	-	-	-	-	-	-	-	-	-	-	Yes	Yes
PCE-5B08-02A1E	-	-	-	-	-	-	-	-	-	-	-	-	-	Yes	Yes
PCE-5B12-64B1E	Yes	Yes	Yes	Yes	Yes	Yes	-	-	-	-	-	-	-	-	-
PCE-5B12-07A1E	Yes	Yes	Yes	Yes	Yes	Yes	-	-	-	-	-	-	-	-	-
PCE-5B13-08A1E	Yes	Yes	Yes	Yes	Yes	Yes	-	-	-	-	-	-	-	-	-
PCE-5B10-04A1E	Yes	Yes	Yes	Yes	Yes	Yes	-	-	-	-	-	-	-	-	-
PCE-5B12D-04A1E	-	-	-	Yes	-	-	-	-	-	-	-	-	-	-	-
PCE-5B18-88A1E	-	-	-	-	-	-	Yes	Yes	-	Yes	-	-	-	-	-
PCE-5B16Q-02A1E	-	-	-	-	-	-	Yes	Yes	-	Yes	-	-	-	-	-

PCI/ISA Backplanes

Selection Guide

Yes: supported/- : not supported/△ : optional

Category	Model Name	Slot per segment					Segment	AT	ATX	1U Chassis		2U Chassis		4U Chassis	
		ISA	PCI	PICMG	PICMG/ PCI	ISA/PCI				ACP-1010	ACP-1320	ACP-2000	IPC-602	ACP-4360	ACP-4320
										2-slot	2-slot	6-slot	6-slot	15-slot	15-slot
1U Butterfly BP	PCA-6103P2V-0A2E**	-	2	1	-	-	1	-	Yes	Yes	Yes	-	-	-	-
2U Butterfly BP	PCA-6105P4V-0B3E**	-	4	1	-	-	1	-	Yes	-	-	Yes	Yes	-	-
	PCA-6106P3V-0B2E**	1	3	2	-	-	1	Yes	Yes	-	-	Yes	Yes	-	-
5 Slot BP	PCA-6105P3-5A1E	1	2	1	-	1	1	-	Yes	-	-	-	-	-	-
6/8 Slot BP	PCA-6106P4-0A2E	-	4	2	-	-	1	Yes	Yes	-	-	-	-	-	-
	PCA-6106P3-0D2E	2	2	1	1	-	1	Yes	Yes	-	-	-	-	-	-
	PCA-6106-0B2E	6	-	-	-	-	1	Yes	Yes	-	-	-	-	-	-
	PCA-6108E-0C2E	8	-	-	-	-	1	Yes	Yes	-	-	-	-	-	-
	PCA-6108P6-0B4E	1	5	1	1	-	1	Yes	Yes	-	-	-	-	-	-
	PCA-6108P4-0C2E	3	3	1	1	-	1	Yes	Yes	-	-	-	-	-	-
	PCA-6108-0B2E	8	-	-	-	-	1	Yes	Yes	-	-	-	-	-	-
14/15 Slot BP	PCA-6114P12-0B3E	1	11	1	1	-	1	Yes	Yes	-	-	-	-	Yes	Yes
	PCA-6114P10-0B2E	2	10	2	-	-	1	Yes	Yes	-	-	-	-	Yes	Yes
	PCA-6114P7-0D3E	4	6	3	-	1	1	Yes	Yes	-	-	-	-	Yes	Yes
	PCA-6114P4-0C2E	8	4	2	-	-	1	Yes	Yes	-	-	-	-	Yes	Yes
	PCA-6113P4R-0C2E	7	4	2	-	-	1	Yes	Yes	-	-	-	-	Yes	Yes
	PCA-6114-0B2E	14	-	-	-	-	1	Yes	Yes	-	-	-	-	Yes	Yes
	PCA-6115-0B2E	15	-	-	-	-	1	Yes	Yes	-	-	-	-	Yes	Yes
	PCA-6113DP4-0A2E	1	3,4	1,2	1,0	-	2	Yes	Yes	-	-	-	-	-	-
20 Slot BP	PCA-6119P17-0B2E	-	16	1	1	-	1	Yes	△	-	-	-	-	-	-
	PCA-6120P18-0A2E	1	17	1	1	-	1	Yes	△	-	-	-	-	-	-
	PCA-6116QP2-0B2E	1,0	2	1,2	-	-	4	Yes	△	-	-	-	-	-	-
	PCA-6120P4-0B2E	14	4	2	-	-	1	Yes	△	-	-	-	-	-	-
	PCA-6120P12-0A2E	7	11	1	1	-	1	Yes	△	-	-	-	-	-	-
	PCA-6119P7-0B3E	10	7	2	-	-	1	Yes	△	-	-	-	-	-	-
	PCA-6120DP4-0B2E	3,4	3	2	1	-	2	Yes	△	-	-	-	-	-	-
	PCA-6120Q-0B2E	5	-	-	-	-	4	Yes	△	-	-	-	-	-	-

Category	Model Name	4U Chassis						5U Chassis	6U Chassis	7U Chassis	Wallmount/Desktop Chassis					Cage
		ACP-4010	ACP-4000	IPC-630	IPC-610	IPC-611	IPC-623	ACP-5360	IPC-622	ACP-7360	8-slot	8-slot	6-slot	6-slot	5-slot	6-slot
		15-slot	15-slot	15-slot	15-slot	15-slot	20-slot	20-slot	20-slot	20-slot	IPC-6908	IPC-6608	IPC-6606	IPC-6806	IPC-6025	IPC-6006
1U Butterfly BP	PCA-6103P2V-0A2E**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2U Butterfly BP	PCA-6105P4V-0B3E**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	PCA-6106P3V-0B2E**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5 Slot BP	PCA-6105P3-5A1E	-	-	-	-	-	-	-	-	-	-	-	-	-	Yes	-
6/8 Slot BP	PCA-6106P4-0A2E	-	-	-	-	-	-	-	-	-	-	-	Yes	Yes	-	Yes
	PCA-6106P3-0D2E	-	-	-	-	-	-	-	-	-	-	-	Yes	Yes	-	Yes
	PCA-6106-0B2E	-	-	-	-	-	-	-	-	-	-	-	Yes	Yes	-	Yes
	PCA-6108E-0C2E	-	-	-	-	-	-	-	-	-	Yes	Yes	-	-	-	-
	PCA-6108P6-0B4E	-	-	-	-	-	-	-	-	-	Yes	Yes	-	-	-	-
	PCA-6108P4-0C2E	-	-	-	-	-	-	-	-	-	Yes	Yes	-	-	-	-
	PCA-6108-0B2E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14/15 Slot BP	PCA-6114P12-0B3E	Yes	Yes	Yes	Yes	Yes	-	-	-	-	-	-	-	-	-	-
	PCA-6114P10-0B2E	Yes	Yes	Yes	Yes	Yes	-	-	-	-	-	-	-	-	-	-
	PCA-6114P7-0D3E	Yes	Yes	Yes	Yes	Yes	-	-	-	-	-	-	-	-	-	-
	PCA-6114P4-0C2E	Yes	Yes	Yes	Yes	Yes	-	-	-	-	-	-	-	-	-	-
	PCA-6113P4R-0C2E	Yes	Yes	Yes	Yes	Yes	-	-	-	-	-	-	-	-	-	-
	PCA-6114-0B2E	Yes	Yes	Yes	Yes	Yes	-	-	-	-	-	-	-	-	-	-
	PCA-6115-0B2E	Yes	Yes	Yes	Yes	Yes	-	-	-	-	-	-	-	-	-	-
	PCA-6113DP4-0A2E	Yes	-	-	-	-	-	-	-	-	-	-	-	-	-	
20 Slot BP	PCA-6119P17-0B2E	-	-	-	-	-	Yes	Yes	Yes	Yes	-	-	-	-	-	-
	PCA-6120P18-0A2E	-	-	-	-	-	Yes	Yes	Yes	Yes	-	-	-	-	-	-
	PCA-6116QP2-0B2E	-	-	-	-	-	Yes	Yes	Yes	Yes	-	-	-	-	-	-
	PCA-6120P4-0B2E	-	-	-	-	-	Yes	Yes	Yes	Yes	-	-	-	-	-	-
	PCA-6120P12-0A2E	-	-	-	-	-	Yes	Yes	Yes	Yes	-	-	-	-	-	-
	PCA-6119P7-0B3E	-	-	-	-	-	Yes	Yes	Yes	Yes	-	-	-	-	-	-
	PCA-6120DP4-0B2E	-	-	-	-	-	Yes	Yes	Yes	Yes	-	-	-	-	-	-
	PCA-6120Q-0B2E	-	-	-	-	-	Yes	Yes	Yes	Yes	-	-	-	-	-	-

Remarks:
1. ** : only sold with Advantech's 1U/2U chassis
2. IPC-622, IPC-623, ACP-7000 provides four reset buttons for quad-system. For more information regarding chassis, please refer to chapter 4.

Backplanes Compatible with Half-Size SBCs

Selection Guide

Yes : supported / - : not supported / △ : reserved

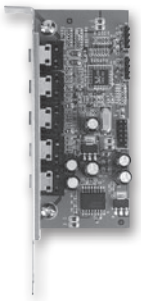
Category	Model Name	Slots per segment						Segment
		ISA	PCI	PCIe x16	PCIe x4	PCIe x1	PICMG	
Pure ISA Backplane	PCA-6104-0C2E	3	-	-	-	-	1	1
	PCA-6106-0B2E	5	-	-	-	-	1	1
	PCA-6108-0B2E	7	-	-	-	-	1	1
	PCA-6108E-0C2E	7	-	-	-	-	1	1
Pure PCI Backplane	PCA-6104P4-0B2E	-	3	-	-	-	1	1
	PCA-6105P5-0B2E	-	4	-	-	-	1	1
	PCA-6108P8-0A2E	-	7	-	-	-	1	1
	PCA-6110P10-0A1E **	-	9	-	-	-	1	1
PCI/ISA Backplane	PCI-7110P3S6-00A1E	6	3	-	-	-	1	1
PICMG 1.3 Half-size Backplanes	PCE-3B04-00A1E	-	-	1	-	1	1	1
	PCE-3B04-03A1E	-	3	-	-	-	1	1
	PCE-3B03-00A1E	-	-	1	1	-	1	1
	PCE-3B06-00A1E	-	-	1	-	4	1	1
	PCE-3B06-03A1E	-	3	1	-	1	1	1

Category	Model Name	AT	ATX	IPC-619S	IPC-6908	IPC-6608	IPC-6606	IPC-6806S*	IPC-6006S	IPC-3026
				Rackmount	Wallmount	Wallmount	Wallmount	Wallmount	Wallmount	Wallmount
				10-slot	8-slot	8-slot	6-slot	6-slot	6-slot	6-slot
Pure ISA Backplane	PCA-6104-0C2E	Yes	Yes	-	-	-	-	-	-	-
	PCA-6106-0B2E	Yes	Yes	-	-	-	Yes	Yes	Yes	Yes
	PCA-6108-0B2E	Yes	△	-	-	-	-	-	-	-
Pure PCI Backplane	PCA-6108E-0C2E	Yes	Yes	-	Yes	Yes	-	-	-	-
	PCA-6104P4-0B2E	Yes	Yes	-	-	-	-	-	-	-
	PCA-6105P5-0B2E	Yes	Yes	-	-	-	Yes	Yes	Yes	Yes
	PCA-6108P8-0A2E	Yes	Yes	-	Yes	Yes	-	-	-	-
	PCA-6110P10-0A1E **	-	Yes	-	-	-	-	-	-	-
PCI/ISA Backplane	PCI-7110P3S6-00A1E	-	Yes	Yes	-	-	-	-	-	-
Half-Size Backplanes	PCE-3B04-00A1E	-	Yes	-	-	-	-	-	-	-
	PCE-3B04-03A1E	-	Yes	-	-	-	-	-	-	-
	PCE-3B03-00A1E	-	Yes	-	-	-	-	-	Yes	Yes
	PCE-3B06-00A1E	-	Yes	-	-	-	-	-	Yes	Yes
	PCE-3B06-03A1E	-	Yes	-	-	-	-	-	Yes	Yes

* Only for half-size CPU card

** Not suitable for Advantech Chassis

Extension Modules for Slot SBCs

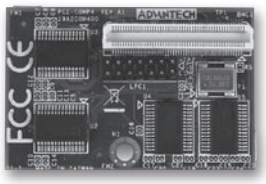


PCA-AUDIO-00A1E

- 5.1 Channel AC'97 Audio Extension Module
- Line-in, Mic-in, Aux-in, Line-out, Speaker-out, CD-in and Buzzer-in from CPU card
- Dimensions: 47.5 x 80.74 mm

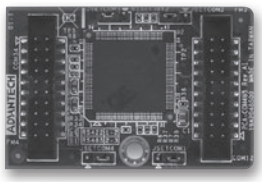
PCA-AUDIO-HDA1E

- 7.1 Channel HD Audio Extension Module
- Line-in, Mic-in, Lin-out, Front-out, Speaker-out, Rear-out, Subcen-out, Side-out
- Dimensions: 47.5 x 80.74 mm



PCA-COM232-00A1E

- 4 RS-232 series ports extension module by LPC connector on CPU card.
- Dimensions: 31.5 x 48 mm

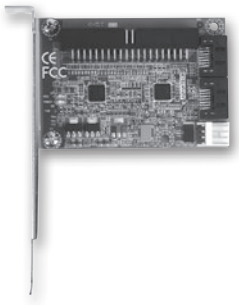


PCA-COM485-00A1E

- 4 RS-422/485 series ports extension module by LPC connector on CPU card.
- With Auto-flow control function
- Dimensions: 31.5 x 48 mm

PCA-SATAP1-00A1E

- 1 IDE to 1 SATA adapter board with bracket
- 1 EIDE (ATA100/66/33)
- 1 port SATA (300MB/s)
- Dimensions: 47.5 x 80.74 mm



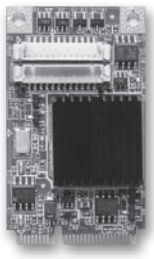
PCA-SATAP2-00A1E

- 1 IDE to 2 SATAs adapter board with bracket
- 1 EIDE (ATA100/66/33)
- 2 ports SATA (300MB/s)
- Dimensions: 47.5 x 80.74 mm

PCA-CFP1-00A1E

- IDE to CF adapter board with bracket
- 1 EIDE (ATA100/66/33)
- 1 CF socket
- Dimensions: 64.3 x 67.3 mm

NEW

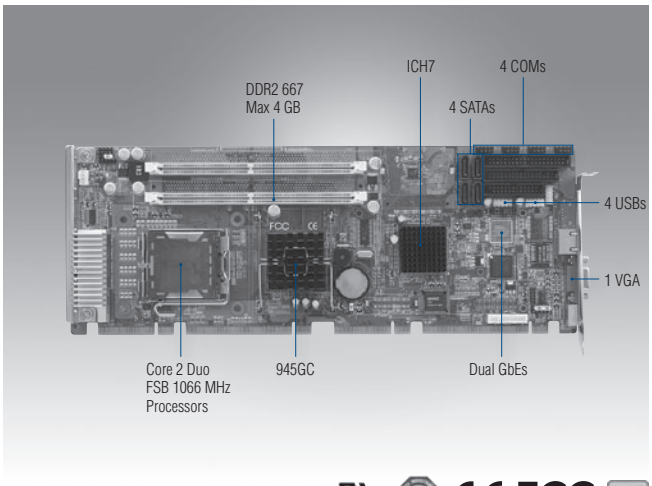


PCA-5650-00A1E

- 2 VGA output Mini PCI Express Graphic card
- GPU: Silicon Motion SM750
- VGA output: 1920 x 1080, up to 75Hz vertical rate
- 16 Mb of embedded DDR memory

PCE-5020

LGA775 Intel® Core™2 Duo SHB with VGA/Dual GbE



Features

- Compliant with PICMG 1.3
- Supports LGA 775Intel® Core™2 Duo processors with 1066 MHz FSB
- Supports Dual Channel DDR2 667 MHz SDRAM up to 4 GB
- One PCIe x16 and Four x1 to backplane
- Dual GbE LANs via PCIe x1 Lanes
- Supports 4 SATA2 Ports with S/W RAID 0, 1, 5, 10
- Supports Up To 4 Onboard COM ports

Note: Purchasing PCE-5020's proprietary CPU cooler from Advantech is a must. Other brands' CPU coolers are NOT compatible with PCE-5020.

Specifications

Processor System	CPU	Intel Core2 Duo	Pentium Dual-Core	Intel Celeron D 440	Pentium 4	Celeron D
	FSB	1066 MHz	800 MHz	800 MHz	800 MHz	533 MHz
	Max Speed	2.93 GHz	2.7 GHz	2 GHz	3.4 GHz	3.6 GHz
	L2 Cache	4 MB	2 MB	512 KB	2 MB	512 KB
	Chipset	VG Sku: Intel 945GC + ICH7R VE Sku: Intel 945GC + ICH7				
	BIOS	AWARD 4 Mbit FWH				
Bus	PCIe	One x16 and Four x1 to backplane				
	PCI	Four 32-bit/33 MHz PCI Masters to backplane				
Memory	Technology	Dual-channel DDR2 400/533/667 MHz DIMMs				
	Max. Cap.	2 GB				
	Socket	240-pin DIMM x 2				
Graphics	Discrete	PCIe x16 Graphics Card				
	Integrated	Intel Graphics Media Accelerator 950				
	VRAM	Shared with 224 MB system memory				
	Video Output	15-pin D-sub Connector x1				
Ethernet	Interface	10/100/1000 Mbps				
	Controller	G2 Sku: 82573L x 2 VG Sku: 82573L x 1 VE Sku: 82562GZ x 1				
	Connector	RJ-45 with LED Connector x 1				
SATA	Bandwidth	300 MB				
	Channel	4 on SHB, G2/VG Sku supports S/W RAID 0, 1, 5, 10, VE Sku has NO S/W RAID				
EIDE	Mode	ATA 100/66/33				
	Channel	1 (Supports up to 2 IDE devices including 1 optional CF socket)				
I/O Interface	USB 2.0	4 ports on the SHB, 4 ports on the BP				
	Serial	G2 Sku: 1 RS-232/422/485 and 3 RS-232 with pin headers VG Sku: 1 RS-232/422/485 and 3 RS-232 with pin headers VE Sku: 1 RS-232/422/485 and 1 RS-232 with pin headers				
	Parallel	1 (EPP/ECP)				
	FDD	1				
	PS/2	1 (for mouse and keyboard, and Y-cable is included in the package)				
Watchdog Timer	Output	Interrupt, system reset				
	Interval	Programmable, 1~255 min/sec				
Miscellaneous	Audio Output	Intel High Definition audio interface (requires an audio extension module P/N: PCA-AUDIO-HDA1E)				
Power Requirement	CPU	Pentium D 3.2 GHz / 2 MB L2/ 800 MHz FSB / 130 W TDP				
	Memory	DDR2 667 MHz 1 GB x 2				
	Voltage @ Current	+12 V@15 A; +5 V@2 A; +3.3 V@20 A; +5 VSB@0.7 A				
Environment		Operating				
	Temperature	0 ~ 60° C (32 ~ 140° F) (operation humidity: 40° C @ 85% RH Non-Condensing)				
Physical	Dimensions	338.58 mm (L) x 126.39 mm (W) (13.3" x 4.98")				

Ordering Information

Part Number	LAN	S/W RAID	VGA	COM
PCE-5020G2-00A1E	Dual GbE	Yes	Yes	4
PCE-5020VG-00A1E	Single GbE	Yes	Yes	4
PCE-5020VE-00A1E	Single FE	-	Yes	2

Packing List

Part Number	Description	Quantity
1700340640	FDD cable	x 1
1700003194	Serial ATA HDD data cable	x 2
1703150102	Serial ATA HDD power cable	x 2
1701260305	COM + printer ports cable kit	x 1
1701092300	Dual COM cable kit (For G2 and VG Sku)	x 1
1700060202	Keyboard and mouse Y-cable	x 1
1700008461	4-port USB cable kit	x 1
1701400452	Ultra ATA 66/100 flat cable	x 1
9689000068	Jumper package	x 1
2002721020	User note for full-size CPU card	x 1
2190000902	Warranty card	x 1
2002502012	Startup manual	x 1
2062502000	Utility CD	x 1

Optional Accessories

Part Number	Description
1701092300	Single COM cable kit
PCA-AUDIO-HDA1E	Audio extension module
1960021193T000	PCE-5020 proprietary CPU cooler for Core 2 Duo/Pentium Dual-Core/Celeron 400 CPUs (TDP=<65W)
1750000400	PCE-5020 proprietary CPU cooler for Pentium 4 CPUs (TDP=<115W)

Note: Purchasing PCE-5020's proprietary CPU cooler from Advantech is a must. Other brands' CPU coolers are NOT compatible with PCE-5020.

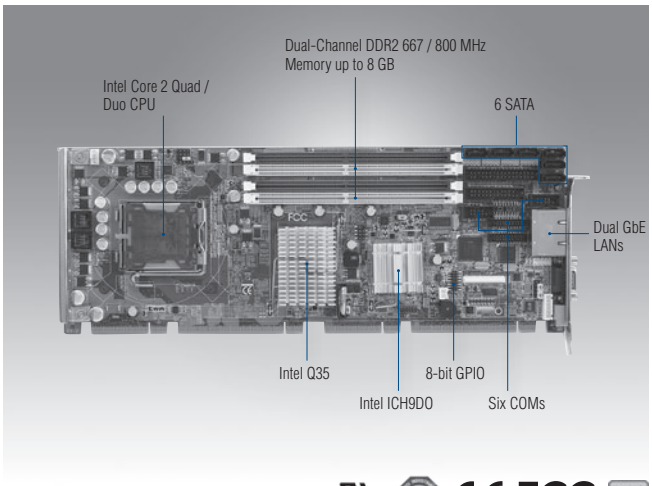
Bracket View

PCE-5020VG-00A1E
PCE-5020VE-00A1E

PCE-5020G2-00A1E

PCE-5124

LGA775 Intel® Core™ 2 Quad SHB with VGA/Dual GbE/6 COM Ports



Features

- Complies with PICMG 1.3
- Supports LGA 775 Intel® Core™2 Quad processors with FSB 1333 MHz
- Supports dual channel DDR2 667/800 SDRAM up to 8 GB
- One PCIe x16 and Four x1 to backplane
- Dual gigabit Ethernet via two PCIe x1 lanes
- Supports 6 COM ports
- 6 SATA2 ports supports S/W SATA Raid 0, 1, 10, 5

Specifications

Processor System	CPU	Core 2 Quad	Core 2 Duo	Pentium Dual-Core	Celeron 400 Sequence
	Max. Speed	Q9650 (3.0 GHz)	E8600 (3.33 GHz)	E5400 (2.7 GHz)	440 (2 GHz)
	L2 Cache	12 MB	6 MB	2 MB	512 KB
	Chipset	Intel Q35 + ICH9DO			
	BIOS	AMI 16 Mb SPI Flash x 2			
	Front Side Bus	1333/1066/800 MHz			
Bus	PCIe	One x16 & Four x1 to backplane			
	PCI	Four 32-bit/33 MHz PCI Masters to backplane			
Memory	Technology	Dual-channel DDR2 667/800 MHz DIMMs			
	Max. Capacity	8 GB			
	Socket	240-pin DIMM x 4			
Graphics	External Card	PCIe x16 Graphics Card			
	Chipset Integrated	Intel Graphics Media Accelerator 3100			
	VRAM	Shared with 384 MB system memory			
	Video Output	15-pin D-sub Connector x1			
Ethernet	Interface	10/100/1000 Mbps			
	Controller	LAN1: Intel 82566DM LAN2: Intel 82573V			
	Connector	RJ-45 with LED Connector x 2			
SATA2	Max. Data Transfer Rate	300 MB/s			
	Channel	6 on SHB; support S/W RAID 0,1, 10, 5			
EIDE		This product does NOT supports EIDE port.			
I/O Interface	USB 2.0	8 ports on the SHB, 4 ports on the BP			
	Serial	5 RS-232 and 1 RS-232/422/485 with pin headers			
	Parallel	1 (EPP/ECP)			
	FDD	1			
	PS/2	1 (for mouse and keyboard, and Y-cable is included in the package)			
Watchdog Timer	Output	System reset			
	Interval	Programmable, 1~255 min/sec			
Miscellaneous	Audio Output	Intel High Definition audio interface (requires an audio extension module P/N: PCA-AUDIO-HDA1E)			
Power Requirement	CPU	Intel Core 2 Quad Desktop Processor Q6200; DDR2 800 MHz 1 GB x 4			
	Voltage@ Current	+12 V@6.78 A; +5 V@4.06 A; +3.3 V@2.72 A; +5 VSB@0.43 A			

Environment		Operating
	Temperature	0 ~ 60° C (32 ~ 140° F) (operation humidity: 40° C @ 85% RH Non-Condensing)
Physical	Dimensions	338.58 mm (L) x 126.39 mm (W) (13.3" x 4.98")

Ordering Information

Part Number	Gigabit LAN	VGA
PCE-5124G2-00A1E	Dual	Yes
PCE-5124VG-00A1E	Single	Yes

Packing List

Part Number	Description	Quantity
1700340640	FDD cable	x 1
1700003194	Serial ATA HDD data cable	x 2
1703150102	Serial ATA HDD power cable	x 2
1701260305	Printer + COM cable	x 1
1700060202	Y-cable for PS/2 mouse & keyboard	x 1
1700008461	USB cable with 4 ports	x 1
9689000068	Jumper pack	x 1
2002721020	User Note for Full-Size CPU Card	x 1
2002775001	User Note for LGA775 CPU	x 1
2190000902	Warranty Card	x 1
2002512410	Startup manual	x 1
2062512401	Utility CD	x 1

Optional Accessories

Part Number	Description
PCA-AUDIO-HDA1E	Audio extension module
1750000332	CPU cooler for LGA775 Pentium 4 processor up to 3.8 GHz (115 W), for 2U or higher chassis
1701092300	Dual-COM port cable kit for COM 1-2
1700008762	Dual-COM port cable kit for COM 3-4 and COM 5-6

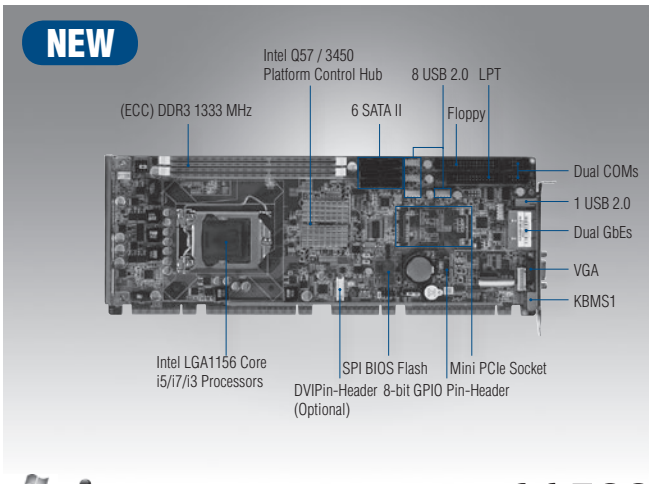
Bracket View

PCE-5124VG-00A1E

PCE-5124G2-00A1E

PCE-5125

LGA1156 Intel® Core™ i7/i5/i3/Xeon® SHB with DDR3/Dual GbE/SATA RAID



Features

- LGA 1156 Intel® Core™ i7/i5/i3/Pentium®/Xeon® processors
- Dual Channel (ECC) DDR3 1333 MHz up to 8 GB
- Supports mini-PCIe expansion
- Supports embedded software APIs and Utilities

Software APIs: Watchdog, H/W Monitor, GPIO

Utilities: Monitoring, Embedded Security ID, eSOS

Note: eSOS needs ODM BIOS available by request

Specifications

Processor System	CPU	Xeon 34xx	Core i7 8xx	Core i5 7xx	Core i5 6xx	Core i3 5xx	Pentium G69xx
	Speed	2.93 GHz	2.93 GHz	2.66 GHz	3.60 GHz	3.06 GHz	2.8 GHz
	Integrated Graphics	-	-	-	Yes	Yes	Yes
	L3 Cache	8 MB	8 MB	8 MB	4 MB	4 MB	3 MB
	Support Model	WG2	QG2	QG2	QG2/ WG2	QG2/ WG2	QG2/ WG2
	Socket	LGA1156					
	Chipset	Q57 for QG2 version; 3450 for WG2 version (WG2 only supports Xeon 34xx, Core i5 6XX, Core i3 5XX, and Pentium G69XX CPUs)					
	BIOS	AMI 64 Mbit SPI Flash					
Bus	PCI-Express	One PCIe x16 or two x8, plus four x1 to backplane (Gen 2.0) (Only WG2 version supports two PCIe x8 to support PCE-7XXX backplanes)					
	PCI	Four 32-bit 33 MHz PCI Masters to Backplane					
Memory	Technology	Dual channel (ECC) DDR3 800/1066/1333 MHz (ECC is only for WG2 version)					
	Max. Cap.	4 GB per DIMM, total 8 GB, non-ECC for QG2 version; ECC for WG2 version					
	Socket	Two 240-pin DDR3 memory sockets					
Graphics	Onboard	Intel HD Graphics (Only the Core i5 6XX, Core i35XX and Pentium G69XX processors are embedded with Intel HD Graphics)					
	VRAM	1 GB maximum shared memory with 2 GB and above system memory installed					
	Video Output	15 pin VGA D-sub connector x1/onboard DVI pin header x 1 (DVI optional)					
Ethernet	Interface	10/100/1000 Mbps					
	Controller	LAN1: Intel 82578DM LAN2: Intel 82583V for QG2 version; Intel 82574L for WG2 version					
	Connector	RJ-45 with LED Connector x 2 for QG2, WG2 versions					
SATA 2	Max. Transfer Rate	300 MB/s					
	Channel	6					
	RAID	0, 1, 5, 10					
EIDE	Mode	N/A					
	Channel	N/A					
I/O Interface	USB 2.0	9 ports on the SHB, 4 ports to the BP					
	Serial	2 RS-232 with pin Headers					
	Parallel	1 (EPP/ECP)					
I/O Interface	FDD	1					
	PS/2	1 (for mouse and keyboard, a Y cable is included in the package)					
	Mini PCI Express Socket	1 (1 PCIe x 1 Gen 2.0 and 1 USB 2.0)					
Watchdog Timer	Output	System reset					
	Interval	Programmable, 1~255 min/sec					
Miscellaneous	Audio Output	Intel High Definition audio interface (requires an audio extension module, P/N: PCA-AUDIO-HDA1E)					

Power Requirement	Test Equipment	Intel Core i7-860 processor; DDR3 1333 MHz 2 GB x 2	
	Voltage@ Current	+12 V@12.156 A; +5 V@15.576 A; +3.3 V@12.108 A; +5 VSB@0.024 A	
Environment		Operating	Non-Operating
	Temperature	0 ~ 60° C (32 ~ 140° F) (operating humidity: 40° C @ 85% RH Non-Condensing)	-40 ~ 85° C and 60° C @ 95% RH Non-Condensing
Physical	Dimensions	338 x 122 mm (13.3" x 4.8")	

Ordering Information

Model Name	Chipset	Memory	Backplane	LAN	VGA	USB	COM
PCE-5125QG2-00A1E	Q57	Non-ECC	PCE-5XXX	2 GbE	Yes	13	2
PCE-5125WG2-00A1E	3450	ECC/Non-ECC	PCE-5XXX/7XXX	2 GbE	Yes	13	2

Note 1: Only the Core i5 6XX, Core i3 5XX and Pentium G69XX processors support onboard VGA output, others do not have VGA output and a discrete graphics card is necessary for graphics functions.
Note 2: WG2 version supports all Advantech PCE-5XXX/7XXX backplanes EXCEPT PCE-7B10-04A1E.

Optional Accessories

Part Number	Description
PCA-AUDIO-HDA1E	Audio extension module
1960047831N001	PCE-5125 Proprietary CPU Cooler
PCA-5650-00A1E	Mini PCIe grarphic card with Silicon Motion SM750 GPU
PCA-5612-00A1E	PCI graphic card with XGI Z9s GPU
PCA-COM232-00A1E	4 x COM232 module
PCA-TPM-00A1E	TPM module

Note: Purchasing PCE-5125's proprietary CPU cooler from Advantech is a must. Other brands' CPU coolers are NOT compatible with PCE-5125.

Packing List

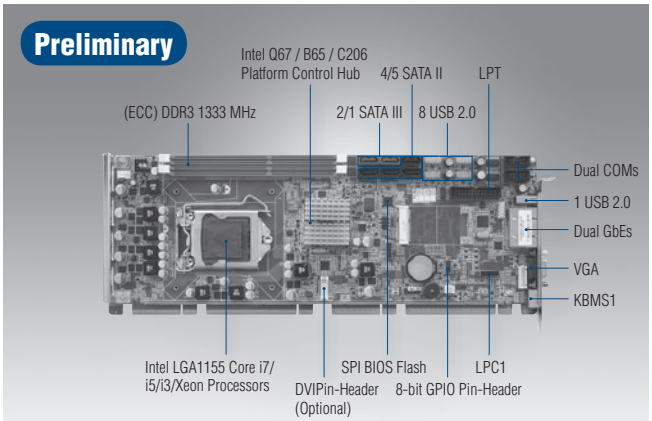
Part Number	Description	Quantity
1700003194	Serial ATA HDD data cable	x 2
1703150102	Serial ATA HDD power cable	x 2
1701260305	COM + printer ports cable kit	x 1
1700060202	Keyboard and mouse Y-cable	x 1
1700008461	4-port USB cable kit	x 1
9689000068	Jumper package	x 1
2190000902	Warranty Card	x 1
2002512510	Startup manual	x 1
2062512500	Utility CD	x 1

Bracket View

PCE-5125QG2-00A1E
PCE-5125WG2-00A1E

PCE-5126

LGA1155 Intel® Core™ i7/i5/i3 SHB with DDR3/Dual GbE/SATA III



Features

- LGA 1155 Intel® Core™ i7/i5/i3/Xeon® processors
- Dual Channel (ECC) DDR3 1333 MHz up to 8 GB
- Supports SATA RAID 0, 1, 5, 10, AMT7.0, TPM 1.2 (optional)
- Out-of-band remote management with IPMI (optional by IPMI module)
- Supports embedded software APIs and utilities

Software APIs: Watchdog, H/W Monitor, GPIO

Utilities: Monitoring, Embedded Security ID, eSOS

Note: eSOS needs ODM BIOS available by request

Specifications

Processor System	CPU	Core i7 2600	Xeon E3 1275	Xeon E3 1225	Core i5 2xxx	Core i3 2xxx
	Speed	3.4 GHz	3.4 GHz	3.1 GHz	3.1 GHz	3.3 GHz
	L3 Cache	8 MB	8 MB	6 MB	6 MB	3 MB
	Support Model	QG2/QVG	WG2	WG2	QG2/QVG	QG2/QVG/ WG2
	Socket	LGA1155				
	Chipset	Q67 for QG2 version; B65 for QVG version; C206 for WG2 version				
	BIOS	AMI 64 Mbit SPI Flash				
Bus	PCI-Express	One PCIe x16 or two x8, plus four x1 to backplane (Gen 2.0) (Only WG2 version supports two PCIe x8 to support PCE-7XXX backplanes)				
	PCI	Four 32-bit 33 MHz PCI Masters to Backplane				
Memory	Technology	Dual channel (ECC) DDR3 1066/1333 MHz (ECC is only for WG2 version)				
	Max. Cap.	4 GB per DIMM, total 8 GB, non-ECC for QG2 version; ECC for WG2 version				
	Socket	Two 240-pin DDR3 memory sockets				
Graphics	Onboard	Intel HD Graphics				
	VRAM	1 GB maximum shared memory with 2 GB and above system memory installed				
	Video Output	15 pin VGA D-sub connector x1/onboard DVI pin header x 1 (DVI optional)				
Ethernet	Interface	10/100/1000 Mbps				
	Controller	LAN1: Intel 82579LM LAN2: Intel 82583V for QG2 version; Intel 82574L for WG2 version				
	Connector	RJ-45 with LED Connector x 2 for QG2, WG2 versions; RJ45 with LED Connector x 1 for QVG versions				
SATA	Max. Transfer Rate	600 MB/s				
	Channel	2 for QG2,WG2 version; 1 for QVG version				
	Max. Transfer Rate	300 MB/s				
	Channel	4 for QG2, WG2 version; 5 for QVG version				
	RAID	0, 1, 5, 10 for QG2 & WG2 version				
I/O Interface	USB 2.0	9 ports on the SHB for QG2/WG2 version and 6 ports on the SHB for QVG version, 4 ports to the BP				
I/O Interface	Serial	2 RS-232 with pin Headers				
	Parallel	1 (EPP/ECP)				
	PS/2	1 (for mouse and keyboard, a Y cable is included in the package)				
Watchdog Timer	Output	System reset				
	Interval	Programmable, 1~255 min/sec				
Miscellaneous	Audio Output	Intel High Definition audio interface (requires an audio extension module, P/N: PCA-AUDIO-HDA1E)				

Power Requirement	Test Equipment	Intel Core i5 2400 3.1 Ghz; DDR3 2 GB x2	
	Voltage@ Current	+12 V@5.68 A; +5 V@1.47 A; +3.3 V@1.57 A; +5 VSB@0.02 A; -12 V@0.16 A	
Environment		Operating	Non-Operating
	Temperature	0 ~ 60° C (32 ~ 140° F) (operating humidity: 40° C @ 85% RH Non-Condensing)	-40 ~ 85° C and 60° C @ 95% RH Non-Condensing
Physical	Dimensions	338 x 122 mm (13.3" x 4.8")	

Ordering Information

Model Name	Chipset	Memory	Backplane	LAN	iAMT	SATAIII	SW RAID	IPMI Module	USB
PCE-5126QG2-00A1E	Q67	Non-ECC	PCE-5XXX	2 GbE	Yes	2	Yes	None	13
PCE-5126QVG-00A1E	B65	Non-ECC	PCE-5XXX	1 GbE	None	1	None	None	10
PCE-5126WG2-00A1E	C206	ECC/ Non-ECC	PCE-5XXX/ 7XXX	2 GbE	Yes	2	Yes	Optional	13

Note 1: WG2 version supports all Advantech PCE-5XXX/7XXX backplanes except PCE-7B10-04A1E.

Optional Accessories

Part Number	Description
PCA-AUDIO-HDA1E	Audio extension module
1960047831N001	PCE-5126 Proprietary CPU Cooler

Note: Purchasing PCE-5126's proprietary CPU cooler from Advantech is a must. Other brands' CPU coolers are NOT compatible with PCE-5126.

Packing List

Part Number	Description	Quantity
1700003194	Serial ATA HDD data cable	x 2
1703150102	Serial ATA HDD power cable	x 2
1701260305	COM + printer ports cable kit	x 1
1700060202	Keyboard and mouse Y-cable	x 1
1700008461	4-port USB cable kit	x 1
9689000068	Jumper package	x 1
2190000902	Warranty Card	x 1
2002512610	Startup manual	x 1
2062512600	Utility CD	x 1

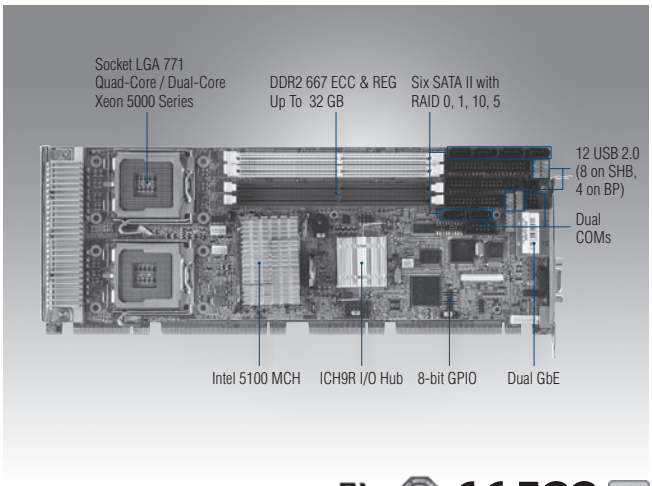
Bracket View

PCE-5126QG2-00A1E
PCE-5126WG2-00A1E

PCE-5126QVG-00A1E

PCE-7214

Dual LGA771 Quad Core Xeon/Xeon LV SHB with VGA Dual GbE



Features

- Compliant with PICMG 1.3
- Supports Dual LGA 771 Quad Core Xeon/Xeon LV FSB processors with 1333 MHz processors
- Supports Dual Channel DDR2 533/667 ECC REG SDRAM up to 32 GB
- Two PCIe x8 or one x16 and four x1 backplane
- Supports both PCE-5000 and PCE-7000 series backplanes
- Dual Gigabit Ethernet via two PCIe x1 link
- 6 SATA2 ports supports S/W SATA RAID 0, 1, 10, 5

Note: Purchasing PCE-7214's proprietary CPU cooler(s) from Advantech is a must. Other brands' CPU coolers are NOT compatible with PCE-7214.

Specifications

Processor System	CPU	Quad Core Xeon	Dual Core Xeon
	Number	3.16 GHz	3.33 GHz
	L2 Cache	12 MB	6 MB
	Chipset	Intel E5100 + ICH9R	
	BIOS	AMI 32 Mb SPI Flash	
	Front Side Bus	1333/1066 MHz	
Bus	PCIe	Two x 8/one x 16 & Four x 1 to backplane	
	PCI	Four 32-bit/33 MHz PCI Masters to backplane	
Memory	Technology	Dual-channel DDR2 533/667 MHz Registered ECC DIMMs	
	Max. Capacity	32 GB	
	Socket	240-pin DIMM x 4	
Graphics	External Card	PCIe x16 Graphics Card (The two x8 can be configured to one x16)	
	Onboard Chipset	XGI Volari Z11 via PCIe x1 Link	
	VRAM	32 MB	
	Video Output	15-pin D-sub Connector x1	
Ethernet	Interface	10/100/1000 Mbps	
	Controller	LAN1: Intel 82566DM LAN2: Intel 82573V	
	Connector	RJ-45 with LED Connector x 2	
SATA2	Max. Data Transfer Rate	300 MB/s	
	Channel	6 on SHB; support S/W RAID 0, 1, 10, 5	
EIDE	Mode	ATA 100/66/33	
	Channel	1 (supports up to 2 IDE devices)	
I/O Interface	USB 2.0	8 ports on the SHB, 4 ports to the BP	
	Serial	2 RS-232 with pin headers	
	Parallel	1 (EPP/ECP)	
	FDD	1	
	PS/2	1 (for mouse and keyboard, an Y cable is included in the package)	
Watchdog Timer	Output	System reset	
	Interval	Programmable, 1~255 min/sec	
Miscellaneous	Audio Output	Intel High Definition audio interface (requires an audio extension module P/N: PCA-AUDIO-HDA1E)	
Power Requirement	CPU	Configuration 1: Intel Xeon Processor 5130 2.0 GHz (SLAGC), TDP 65W x 2	
	Memory	4 GB DDR2 667 MHz with REG & ECC x 4	
	Voltage@ Current	+12 V@9.7 A; +5 V@7.4 A; +3.3 V@2.5 A; +5 VSB@0.71 A	
	CPU	Configuration 2: Intel Dual Xeon Processor 5450 3.0 GHz (SLAGC), TDP 80W x 2	
	Memory	4 GB DDR2 667 MHz with REG & ECC x 4	
	Voltage@ Current	+12 V@16.12 A; +5 V@7.31 A; +3.3 V@2.76 A; +5 VSB@0.73 A	

Environment		Operating	Non-Operating (Storage)
	Temperature	0 ~ 60° C (32 ~ 140° F) (operation humidity: 40° C @ 85% RH Non-Condensing)	-40° C ~ 85° C and 60° C @ 95% RH Non-Condensing
Physical	Dimensions	338.58 mm (L) x 126.39 mm (W) (13.3" x 4.98")	

Ordering Information

Part Number	Gigabit LAN	VGA
PCE-7214G2-00A1E	Dual	Yes

Packing List

Part Number	Description	Quantity
1700340640	FDD cable	x 1
1701400452	Ultra ATA 66/100 HDD cable	x 2
1700003194	Serial ATA HDD data cable	x 2
1703150102	Serial ATA HDD power cable	x 2
1701260305	Printer + COM cable	x 1
1700060202	Y-cable for PS/2 keyboard and mouse	x 1
1700008461	4-port USB cable kit	x 1
9689000068	Jumper pack	x 1
2002721020	User note for full-sized CPU card	x 1
2190000902	Warranty card	x 1
2002721410	Startup manual	x 1
2062721400	Utility CD	x 1

Optional Accessories

Part Number	Description
1750000282	Xeon CPU Cooler for 110W TDP CPU
1750001660	Low Profile Xeon CPU Cooler for 55W TDP CPU
PCA-AUDIO-HDA1E	Audio extension module
1701092300	Single COM Cable Kit

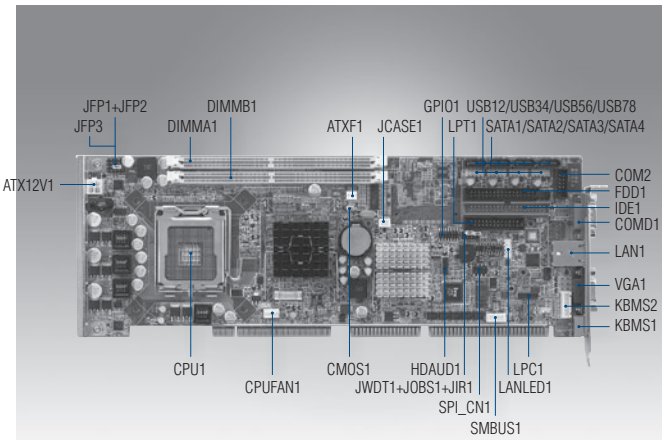
Note: Purchasing PCE-7214's proprietary CPU cooler(s) from Advantech is a must. Other brands' CPU coolers are NOT compatible with PCE-7214.

Bracket View

PCE-7214G2-00A1E

PCA-6010

LGA775 Intel® Core™2 Duo SBC with Dual GbE and DVI



Features

- Compliant with PICMG 1.0
- Supports LGA 775 Intel® Core™2 Duo FSB 1066 MHz processors
- Supports dual channel DDR2 667 SDRAM up to 4 GB
- Dual GbE LAN via PCIe x1 lane
- 2 COM ports, 4 SATA ports, 8 USB ports
- Supports CF socket and DVI interface for G2 sku

Specifications

Processor System	CPU	Core 2 Duo	Pentium	Intel Celeron 440	Celeron D
	Max Speed	3.06 GHz	3.06 GHz	2 GHz	3.6 GHz
	L2 Cache	4 M	2 M	512 KB	512 KB
	Chipset	Intel 945GC + ICH7			
	BIOS	Award 8 MB SPI Flash			
	Front Side Bus	533/800/1066 MHz			
Bus	PCI	32-bit/33 MHz PCI			
	ISA	HISA (ISA High Drive)			
Memory	Technology	Dual-channel DDR2 533/667 MHz DIMMs			
	Max. Cap.	4 GB			
	Socket	240-pin DIMM x 2			
Graphics	Integrated	Intel Graphics Media Accelerator 950			
	VRAM	Shared with 224 MB system memory			
	Video Output	15 Pin D-sub Connector x1/DVI connector x1 (only for G2 sku)			
Ethernet	Interface	10/100/1000 Mbps			
	Controller	Intel 82574L			
	Connector	RJ45 with LED Connector x 2			
SATA	Bandwidth	300 MB/s			
	Channel	4 ports			
EIDE	Mode	ATA 100/66/33			
	Channel	1 (Supports up to 2 IDE devices ; Master device is alternative for CF socket in G2 sku)			
I/O Interface	USB 2.0	8 ports by pin header (VG sku); 6 ports by pin header/ 1 port on bracket I/O (G2 sku)			
	Serial	2 RS-232			
	Parallel	1 (EPP/ECP/SPP)			
	FDD	1			
	PS/2	1 (for mouse and keyboard, a Y cable is included in the package)			
Watchdog Timer	Output	Interrupt, system reset			
	Interval	Programmable, 1~255 min/sec			
Miscellaneous	Audio Output	Intel High Definition audio interface (requires an audio extension module P/N: PCA-AUDIO-HDA1E)			
Power Requirement	CPU	Configuration 1: Core 2 Duo E4300 (1.8G, 65W) + DDRII 667 2G x 2			
	Voltage@ Current	+12 V@3.82 A; +5 V@5 A; +5 VSB@0.24 A			
	CPU	Configuration 2: Pentium4 670 (3.8G, 115W) + DDRII 667 2G x 2			
	Voltage@ Current	+12 V@12.59 A; +5 V@5.81 A; +5 VSB@0.24 A			

Environment		Operating	Non-Operating (Storage)
	Temperature	0 ~ 60° C (32 ~ 140° F) (operation humidity: 40° C @ 85% RH Non-Condensing)	-40° C ~ 85° C and 60° C @ 95% RH Non-Condensing
Physical	Dimensions	338 mm (L) x 122 mm (W) (13.3" x 4.8")	

Ordering Information

Part Number	LAN	VGA	COM	SATA	USB	DVI	CF
PCA-6010G2-00A1E	Dual GbE	Yes	2	4	7	Yes	Yes
PCA-6010VG-00A1E	Single GbE	Yes	2	4	8	-	-

Optional Accessories

Part Number	Description
1750000332	LGA 775 CPU cooler for 115 W TDP CPUs
PCA-AUDIO-HDA1E	Audio extension module
1701090401	Single COM cable kit
1700008822	DVI cable (Only needed when choosing G2 sku)

Packing List

Part Number	Description	Quantity
1700340640	FDD cable	x 1
1701400452	IDE HDD cable	x 1
1700003194	Serial ATA HDD data cable	x 2
1703150102	Serial ATA HDD power cable	x 2
170304015K	ATX 12 V power converter cable	x 1
1701260305	Printer + COM cable	x 1
1700060202	Y-cable for PS/2 mouse & keyboard	x 1
1700008461	USB cable with 4 ports	x 1
9689000068	Jumper pack	x 1
2002721020	User note for full-size CPU card	x 1
-	User Note for LGA775 CPU	x 1
-	Warranty card	x 1
-	Startup manual	x 1
-	Utility CD	x 1

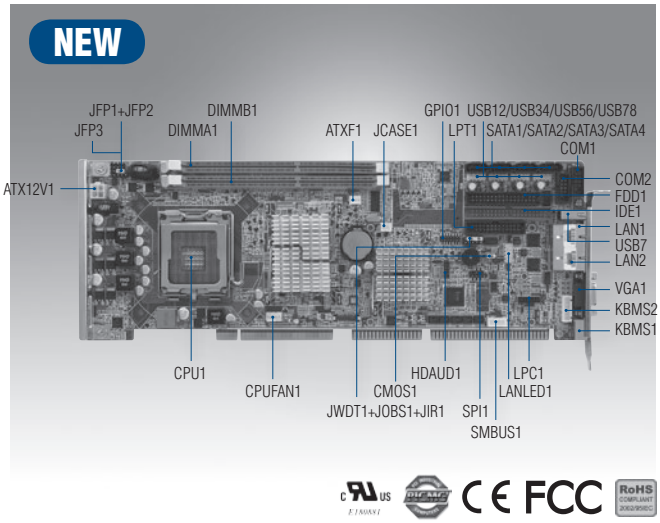
Bracket View

PCA-6010G2-00A1E

PCA-6010VG-00A1E

PCA-6011

LGA775 Intel® Core™2 Quad SBC with VGA/Dual GbE LAN



Features

- Compliant with PICMG 1.0
- Supports LGA 775 Intel® Core™2 Quad FSB 1333 MHz processors
- Supports Dual Channel DDR3 1066 SDRAM up to 4 GB
- Dual GbE LAN via two PCIe X1 lane
- 2 COM ports, 4 SATA ports, 8 USB ports

Specifications

Processor System	CPU	Core 2 Quad	Core 2 Duo	Pentium 4	Intel Celeron D 440
	Max Speed	2.66 GHz	3.33 GHz	3.4 GHz	2.2 GHz
	L2 Cache	6 M	6 M	2 M	512 KB
	Chipset	Intel G41 + ICH7/ICH7R (only for G2 sku)			
	BIOS	AMI 16 Mb SPI Flash			
	FSB	800/1066/1333 MHz			
Bus	PCI	32 bit/ 33 MHz PCI			
	ISA	HISA (ISA High Driver)			
Memory	Technology	Dual-channel DDR3 800/1066 MHz DIMMs			
	Max. Cap.	4 GB			
	Socket	240-pin DIMM x 2			
Graphics	Controller	Intel Graphics Media Accelerator X4500			
	VRAM	Shared with 352MB system memory			
	Video Output	15-Pin VGA D-sub Connector x1 / DVI connector x1 (optional)			
Ethernet	Interface	10/100/1000 Mbps			
	Controller	Intel 82583 V			
	Connector	RJ-45 with LED Connector x 2			
SATA	Bandwidth	300 MB/s			
	Channel	4 ports			
	RAID	0, 1, 5, 10			
EIDE	Mode	ATA 100/66/33			
	Channel	1 (Supports up to 2 IDE devices; Master device is alternative for CF socket)			
	CF	(Optional)			
I/O Interface	USB 2.0	8 ports by pin header(VG SKU); 6 ports by pin header/1 port on bracket I/O (G2 SKU)			
	Serial	2 RS-232			
	Parallel	1 (EPP/ECP/SPP)			
	FDD	1			
	PS/2	1 (for mouse and keyboard, an Y cable is included in the package)			
Watchdog Timer	Output	Interrupt, system reset			
	Interval	Programmable, 1~255 min/sec			
Miscellaneous	Audio Output	Intel High Definition audio interface (requires a audio extension module P/N: PCA-AUDIO-HDA1E)			
Power Requirement	CPU	Configuration1: Core 2 Quad Q9400 (3.0 G, 95 W) + DDR3 1066 2 G x2			
	Voltage@ Current	+12 V@5.14 A; +5 V@4.04 A; +5 VSB@0.17 A			
Power Requirement	CPU	Configuration 2: Core2 Duo E8400 (3.0G, 65W) + DDR3 1066 2 GB x2			
	Voltage@ Current	+12 V@3.63 A; +5 V@3.4 A; +5 VSB@0.15 A			

Environment		Operating	Non-Operating
	Temperature	0 ~ 60° C(32 ~ 140° F), (operating humidity: 40° C @ 85% RH Non-Condensing)	-40° C ~ 85° C and 60° C @ 95% RH Non-Condensing
Physical	Dimensions	338 mm (L) x 122 mm (W) (13.3" x 4.8")	

Ordering Information

Part Number	LAN	VGA	COM	SATA	S/W RAID	USB	DVI	CF
PCA-6011VG-00A1E	Single GbE	Yes	2	4	-	8	No (Optional)	No (Optional)
PCA-6011G2-00A1E	Dual GbE	Yes	2	4	Yes	7	No (Optional)	No (Optional)

Optional Accessories

Part Number	Description
1750000332	LGA 775 CPU cooler for 115 W TDP CPUs
PCA-AUDIO-HDA1E	Audio extension module
1701090401	Single COM Cable Kitt

Packing List

Part Number	Description	Quantity
1701400452	IDE HDD cable	x 1
1700008461	USB cable with 4 ports	x 1
1703150102	Serial ATA HDD power cable	x 2
1700060202	Y-cable for PS/2 mouse & keyboard	x 1
1701260305	Printer + COM cable	x 1
1700003194	Serial ATA HDD data cable	x 2
9689000068	Jumper pack	x 1
2002721020	User note for full-size CPU card	x 1
-	User note for LGA775 CPU	x 1
-	Warranty card	x 1
-	Startup manual	x 1
-	Utility CD	x 1

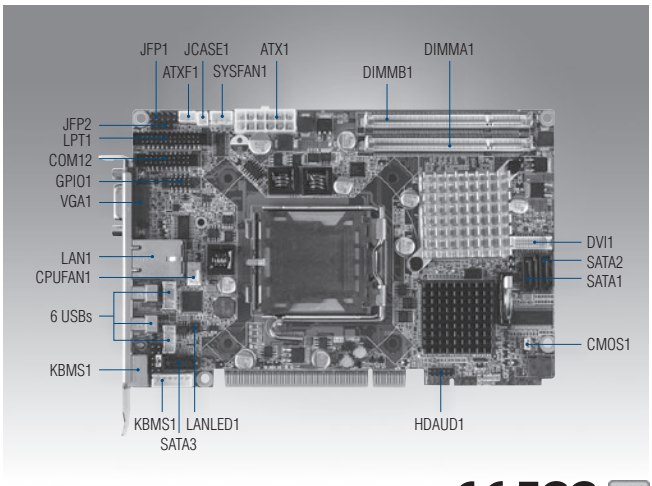
Bracket View

PCA-6011G2-00A1E

PCA-6011VG-00A1E

PCI-7020

LGA775 Intel® Core™2 Duo PCI Half-size SBC with VGA/GbE LAN/SATA and SSD



Features

- Supports LGA 775 Intel® Core™2 Duo FSB 1066 MHz processors
- Supports dual channel DDR2 667 SDRAM up to 4 GB
- Supports 6 USB 2.0 ports
- Supports GbE LANs via PCIe x1 lanes
- Supports up to 6 COM, 4 x RS-485 w/Auto-Flow control by COM module

Specifications

Processor System	CPU	Core 2 Duo
	FSB	1066 MHz
	Max Speed	2.8 GHz
	L2 Cache	4 MB
	Chipset	Intel 945GC + ICH7R
	BIOS	AWARD 8 Mbit SPI Flash
Bus	Front Side Bus	533/800/1066
	PCI	32-bit/33 MHz
Memory	Technology	Dual-channel DDR2 533/667 MHz SDRAM SODIMM
	Max. Cap.	4 GB
	Socket	200-pin SODIMM x 2
Graphics	Controller	Intel Graphics Media Accelerator 950 VGA Mode: Up to 2048 x 1536 @ 75 Hz refresh
	Integrated	Up to 2048 x 1536 @ 75 Hz refresh
	VRAM	Shared with 224 MB system memory
	DVI (optional)	Maximum pixel lock of 400 MHz up to 2048 x 1536 resolutions @ 75 Hz
Ethernet	Interface	10/100/1000 Mbps
	Controller	Intel 82574L x 1
	Connector	RJ-45 with LED Connector x 1
SATA	Bandwidth	300 MB
	Channel	3
EIDE	Mode	-
	Channel	-
I/O Interface	USB 2.0	6 ports (USB 2.0 compliant, 2 ports on rear I/O, 4 ports onboard by 2.0 mm pitch box header)
	Serial	6 COM (2 x RS-232 onboard, Optional: 4 x RS-422/485 w/Auto-flow by PCA-COM485 module)
	Parallel	1 (EPP/ECP), 2.0 mm pitch pin header
	PS/2	1 (for mouse and keyboard, a Y-cable is included in the package)
Watchdog Timer	Output	System reset
	Interval	Programmable, 1~255 min/sec
Miscellaneous	Audio Output	Intel High Definition audio interface (requires an audio extension module P/N: PCA-AUDIO-HDA1E)
	Solid State Disk	CompactFlash Socket (Type I/II)
Power Requirement	CPU/RAM	Core 2 Duo E7400 2.80 GHz + DDR2 800 2 GB
	Voltage@ Current	+12 V@ 4.38 A; +5 V@4.86 A; +5 VSB@0.39 A

Environment		Operating	Non-Operating (Storage)
	Temperature	0 ~ 60° C (32 ~ 140° F), with appropriate CPU cooler (operating humidity: 40° C @ 85% RH Non-Condensing)	-40° C - 85° C and 60° C @ 95% RH Non-Condensing
Physical	Dimensions	185 mm (L) x 122 mm (W) (7.3" x 4.8")	

Ordering Information

Part Number	LAN	S/W RAID	VGA	COM	DVI
PCI-7020VG-00A1E	Single GbE	Yes	Yes	2	(optional)

Optional Accessories

Part Number	Description
MBPC-641BP-60E	4-slot chassis w/150W power supply
IPC-6806SB-15ZBE	6-slot chassis w/150W power supply
PCA-AUDIO-HDA1E	HD Audio-card
1700000265	Power cable for single board usage
PCA-COM485-00A1E	4 x 422/485 COM module
PCA-COM232-00A1E	4 x 232 COM module
1701140201	COM port cable without bracket

Packing List

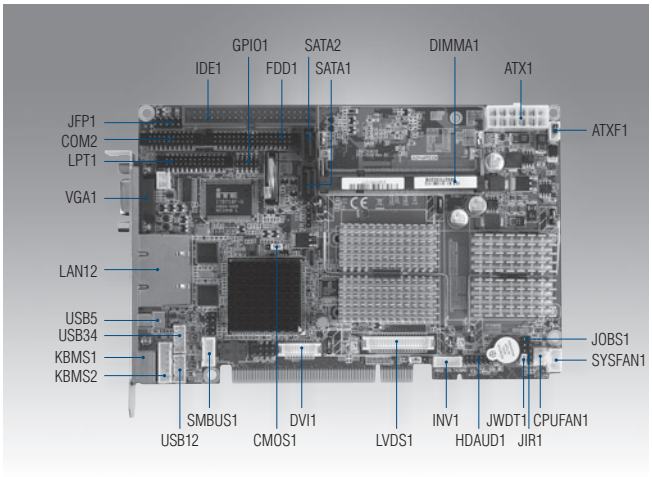
Part Number	Description	Quantity
1700002223	Printer port cable (2.0 mm pitch) with bracket	x 1
1700003194	Serial ATA HDD data cable	x 1
1703150102	Serial ATA HDD power cable	x 1
1700006196	Power cable 12P/Big 4P x 2 10 cm	x 1
1700008762	Dual COM cable kit with bracket (2.0 mm pitch)	x 1
1700060202	Keyboard and mouse Y-cable	x 1
1700002343	ATX feature cable	x 1
1700014398	4-port USB cable kit (2.0 mm pitch)	x 1
9689000002	Jumper package	x 1
1960035861N000	HEAT SINK 79 x 79 x 24 mm PCI-7020	x 1

Bracket View

PCI-7020VG-00A1E

PCI-7030

Intel® Atom™ N270 PCI Half-size SBC with Dual GbE LAN/LVDS/DVI/SATA/6 COM



Features

- Ultra Low power Fanless Intel® Atom™ processor N270 1.6 GHz
- One/Dual Gigabit Ethernet
- Supports up to 6 COM (Optional module 4 x RS-485 w/auto-flow control by PCA-COM485 module)
- 1600 x 1200 @ 18/36-bit LVDS, DVI support

Specifications

Processor System	CPU	Intel Atom N270 processor 1.6 GHz
	FSB	400/533
	L2 Cache	512 KB cache
	Chipset	Intel 945GSE + Intel ICH7M
	BIOS	Award SPI 8 MB
Bus	PCI	32-bit/ 33 MHz
Memory	Technology	Single Channel DDR2 SODIMM 400/533 MHz
	Max. Capacity	2 GB
	Socket	Yes
Graphics	Controller	Intel 945GSE integrated VGA mode: Supports up to QXGA 2048 x 1536 pixels with 32-bit color @ 75 Hz
	VRAM	Shared system memory up to 224 MB (DVMT 3.0)
	LVDS	Supports 18/36-bit up to UXGA 1600 x 1200
	DVI	Maximum pixel lock of 400 MHz up to 1600 x 1200 pixels and 1920 x 1200 (reduced blanking) resolutions @ 75 Hz
	Dual Display	VGA, LVDS, DVI
Ethernet	Interface	10/100/1000 Mbps Ethernet
	Controller	Intel 82574L
	Connector	RJ-45 x 1 for VG ; RJ-45 x 2 for G2
EIDE	Mode	Ultra ATA 100/66/33
	Channel	1
SATA (150 MB/s)	Port	2 for SATA1, 150 MB/s
I/O Interface	USB	6 USB2.0 for VG; 5 USB2.0 for G2 480 Mbps; 4 ports onboard and 2 for VG/1 for G2 ports on rear I/O
	Serial	6 COM (2 x RS-232 onboard; Optional: 4 x RS-422/485 w/auto-flow by PCA-COM485 module)
	Parallel	1 (via super I/O)
	FDD	1
	GPIO	8-bit ; CMOS Level (0 ~ 5 V)
	PS/2	6-pin DIN socket on bracket for PS/2 keyboard and mouse (via super I/O) 6-pin (2.54 mm) wafer box connector for keyboard only
Watchdog Timer	Output	System reset
	Interval	1 sec/min or Max 65535 min/sec
Miscellaneous	Audio Output	Intel High Definition audio interface (requires an audio extension module P/N: PCA-AUDIO-HDA1E)
	Solid State Disk	CompactFlash socket (Type I/II), shared with secondary IDE
Power Requirement	CPU/RAM	Atom 1.6G + DDR2 2G (533)
	Voltage@ Current	+12 V@ 0.31 A; +5 V@2.19 A; +5 VSB@0.04 A
Environment		Operating / Non-Operating (Storage)
	Temperature	0 ~ 60° C (32 ~ 140° F) (operating humidity: 40° C @ 85% RH Non-Condensing) / -40° C ~ 85° C and 60° C @ 95% RH Non-Condensing
Physical	Dimensions	185 mm (L) x 122 mm (W) (7.3" x 4.8")

Ordering Information

P/N	VGA	LVDS	DVI	USB	LAN	COM
PCI-7030VG-00A1E	Yes	Yes	-	6	1 (82574L)	2
PCI-7030G2-00A1E	Yes	Yes	Yes	5	2 (82574L)	2

Optional Accessories

Part Number	Description
MBPC-641BP-60E	4-slot chassis w/150 W power supply
IPC-6806SB-15ZBE	6-slot chassis w/150 W power supply
PCA-AUDIO-HDA1E	HD audio-card
PCA-SATAP2-00A1E	IDE/SATA adapter for CPU cards
1701140201	COM port cable without bracket
PCA-COM485-00A1E	4 x 422/485 COM module
PCA-COM232-00A1E	4 x 232 COM module

Packing List

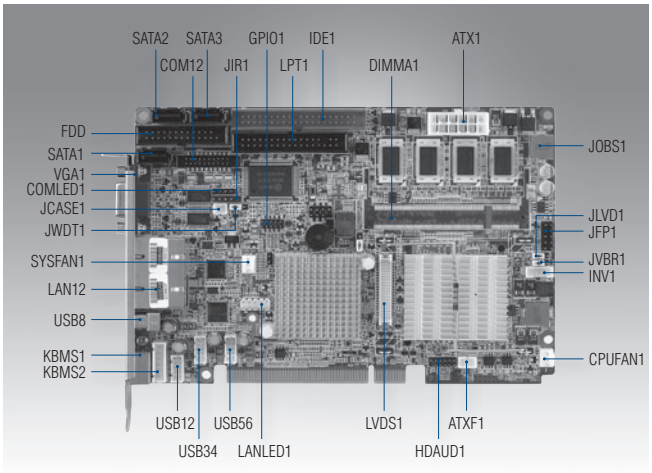
Part Number	Description	Quantity
1700060202	Y-cable for PS/2 keyboard, PS/2 mouse	x 1
1701340603	FDD cable (600 mm)	x 1
1700000265	Power cable	x 1
1700002343	ATX feature cable	x 1
1703150102	Serial ATA HDD power cable	x 1
1700003194	Serial ATA HDD data cable	x 1
1701400452	EIDE (HDD) cable	x 1
1700002223	Parallel port cable (2.0 mm w/BKT)	x 1
1700008887	USB cable with 4 ports (2.0 mm pitch)	x 1
1700008762	Dual-COM port cable kit for COM1-2	x 1
9689000002	Jumper pack	x 1

Bracket View

PCI-7030G2-00A1E

PCI-7031

Intel® Atom™ N450/D510 PCI Half-size SBC with Onboard DDR2/VGA/LVDS/Dual GbE/SATA/COM



Features

- Ultra low power, fanless Intel® Atom™ processor N450 CPU and 1 GB onboard DDR2 667 memory (Only for N SKU)
- Dual core high performance D510 CPU and maximum 2 GB DDR2 667 memory (Only for D SKU)
- VGA/LVDS dual video outputs
- Optional module for 4 x RS-485 w/ auto-flow control
- Supports embedded software APIs and Utilities

Software APIs: Watchdog, H/W Monitor, Brightness, GPIO, Backlight On/Off, CPU Speed, System Throttling

Utilities: BIOS flash, Monitoring, Flash Lock, Embedded Security ID, eSOS (Requires BIOS Customization)

Note: eSOS needs ODM BIOS available by request

Specifications

Processor System	CPU	Intel Atom N450	Intel Atom D510
	Speed	1.66 GHz	1.66 GHz
	L2 Cache	512 KB	1 MB
	Chipset	ICH8M	
	BIOS	AMI 16Mb SPI Flash	
Bus	PCI-Express	-	
	PCI	Four 32 bit/33 MHz PCI Masters to Backplane	
Memory	Technology	Single channel DDR2 667 MHz	
	Max. Cap.	1 GB onboard for N SKU; max 2 GB SODIMM for D SKU	
	Socket	No socket for N SKU; 200-pin SODIMM x 1 for D SKU	
Graphics	Onboard	Embedded Gen3.5+ GFX Core technology, DirectX 9/Pixel Shader 2.0 compliant	
	VRAM	Shared 224 MB	
	Video Interface	15-pin VGA D-sub connector x1/Onboard LVDS pin header x 1 (supports single channel 18-bit LVDS)	
	Video Output	VGA: Supports up to SXGA 1400 x 1050 @ 60 Hz for N SKU, up to 2048 x 1536 @ 60 Hz for D SKU LVDS: Supports 18-bit single channel and up to WXGA 1366 x 768 or 1280 x 800 for both N and D SKUs Dual Display: VGA + LVDS, support extended mode and clone mode for both N and D SKUs	
Ethernet	Interface	10/100/1000 Mbps	
	Controller	LAN1: Intel 82567V	
		LAN2: Intel 82583V	
	Connector	RJ-45 with LED Connector x 2	
SATA	Max. Transfer Rate	300 MB/s	
	Channel	3	
EIDE	Mode	ATA 100/66/33	
	Channel	1 (supports up to 2 IDE devices)	
I/O Interface	USB 2.0	7 ports on the SHB	
	Serial	Two RS-232 onboard pin-headers, plus four four RS-485 ports with auto-flow control by module (Optional, Advantech P/N: PCA-COM485-00A1E)	
	Parallel	1 (EPP/ECP)	
	FDD	1	
	PS/2	1 (for mouse and keyboard, an Y cable is included in the package)	
Watchdog Timer	Output	System reset	
	Interval	Programmable, 1~255 min/sec	
Miscellaneous	Audio Output	Intel High Definition audio interface (requires a audio extension module, P/N: PCA-AUDIO-HDA1E)	
Power Requirement	Test Equipment	Atom D510 CPU 1.66 GHz; Memory: 1 x 2 GB DDR2 667 MHz SODIMM; Storage: One IDE HDD and one SATA CD ROM	
	Test program	BurnIn test 6.0	
	Voltage@ Current	+12 V@0.228 A; +5 V@2.952 A; +5 SBY@0.060 A	
	Test Equipment	Atom N450 CPU 1.66 GHz; Memory: Onboard 1 GB DDR2 667 MHz; Storage: One IDE HDD and one SATA CD ROM	
Power Requirement	Test program	BurnIn test 6.0	
	Voltage@ Current	+12 V@0.192 A; +5 V@2.532 A; +5 SBY@0.060 A	
Environment		Operating	Non-Operating
	Temperature	0 ~ 60° C (32 ~ 140° F) (operating humidity: 40° C @ 85% RH Non-Condensing)	-40 ~ 85° C and 60° C @ 95% RH Non-Condensing
Physical	Dimensions	185 mm (L) x 122 mm (W) (7.3" x 4.8")	

Ordering Information

Model Name	CPU	Memory	Fanless	VGA	LVDS	SATA	USB	COM	CF
PCI-7031D-S6A1E	Atom D510	One SODIMM Socket 2 GB DDR2 667 No Onboard RAM	No	Yes	Yes	3	7	2	Yes
PCI-7031N-S6A1E	Atom N450	No SODIMM Socket Onboard 1 GB DDR2 667	Yes	Yes	Yes	3	7	2	Yes

Optional Accessories

Part Number	Description
PCA-COM485-00A1E	Extension module for four RS-422/485 ports with auto-flow control function
PCA-AUDIO-HDA1E	Extension module for 7.1 channel High Definition audio

Packing List

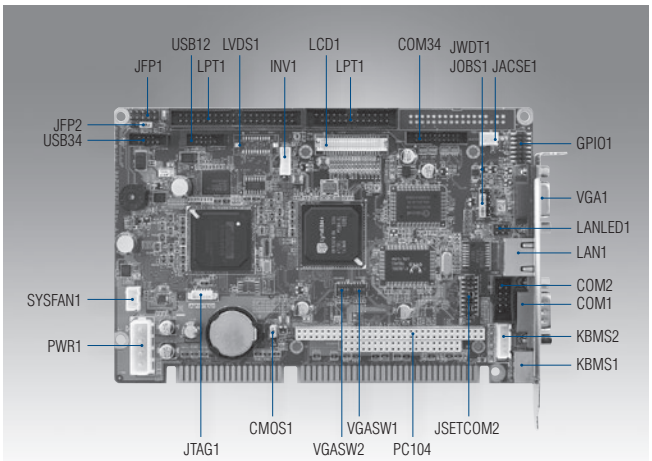
Part Number	Description	Quantity
960046526N001	CPU cooler for Atom D510 CPU (only available for D SKU)	x 1
1700340640	FDD cable	x 1
1701400452	Ultra ATA 66/100 HDD cables	x 1
1700003194	Serial ATA HDD data cable	x 2
1703150102	Serial ATA HDD power cable	x 2
1701260301	Printer (parallel) port cable kit	x 1
1700008762	Dual COM ports cable kit	x 1
1700002343	ATX feature cable	x 1
1700008887	4-port USB cable kit	x 1
1700060202	Y cable for PS/2 keyboard and PS/2 mouse	x 1
1700000265	AT/ATX PSU 20-Pin to 12-Pin Cable Kit	x 1
9689000068	Jumper pack	x 1
-	Warranty card	x 1
-	PCI-7031 startup manual	x 1
-	CD with driver utility and manual (in PDF format)	x 1

Bracket View

PCI-7031D-S6A1E
PCI-7031N-S6A1E

PCA-6742

Advantech EVA-X4300 ISA Half-size SBC with VGA/LCD/LAN/CFC/USB and PC/104



Features

- Low power fanless EVA-X4300
- Onboard 128/64 DDR2 RAM
- 10/100 Mbps Ethernet
- 1024 x 768 @ 18/24-bit TTL/LVDS support

Specifications

Processor System	CPU	Advantech EVA-X4300 up to 300 MHz
	Max. Speed	300 MHz
	L1 Cache	32 KB
	Chipset	Advantech EVA-X4300 up to 300 MHz
	BIOS	Award integrated 256 KB ROM in Advantech EVA-X4300
Bus	PCI	32-bit/33 MHz
	ISA	8/16-bit 8 MHz
Memory	Technology	Default onboard DDR2 128 MB
	Socket	-
Graphics	Controller	Chipset integrated VGA controller VGA mode: SM712 graphics chip supports 1024 x 768 @ 24-bit true color LCD mode: SMI SM712 2D graphics chip supports 1024 x 768 @ 18/24-bit TFT
	VRAM	4 MB display memory
	LVDS	Yes (Optional)
	TTL	Up to 24-bit TTL for TFT LCD
	Dual Display	Supports CRT+LCD simultaneously display
Ethernet	Interface	10/100 Mbps
	Controller	Realtek RTL8100CL
	Connector	RJ-45 x 1
EIDE	Mode	PIO 4
	Channel	1
SATA (150 MB/s)	Port	-
I/O Interface	USB	4 ports (USB 2.0 and USB1.1 under DOS)
	Serial	4 COM (1 x RS-232/422/485 on one 2.54 mm pitch wafer box, 1 x RS-232 on rear I/O, 2 x RS-232 on one 2.0 mm pitch wafer box)
	Parallel	1 (via super I/O)
	FDD	-
	GPIO	8 bit; COMS Level (0 ~ 3.3 V)
	PS/2	6-pin DIN socket on bracket for PS/2 keyboard and mouse. (via super I/O) 6-pin (2.54 mm) wafer box connector for keyboard only
Watchdog Timer	Output	System reset/IRQ11
	Interval	Programmable, 1~255 min/sec
Miscellaneous	Audio Output	-
	Solid State Disk	CompactFlash socket (Type I/II), shared with secondary IDE
Power Requirement	Typical	+5 V @ 1.6 A
	Max	+5 V @ 2 A
Environment		Operating / Non-Operating (Storage)
	Temperature	0 ~ 60° C (32 ~ 140° F) (operating humidity: 40° C @ 85% RH Non-Condensing) / -40° C ~ 85° C and 60° C @ 95% RH Non-Condensing
Physical	Dimensions	185 mm (L) x 122 mm (W) (7.3" x 4.8")
OS		DOS, Win CE 5.0

Ordering Information

P/N	CPU	LVDS	TTL	USB	GPIO	FE LAN	FDD
PCA-6742LV-00A1E	EVA-X4300	-	-	4	-	-	-
PCA-6742VE-00A1E	EVA-X4300	(Optional)	24-bit	4	1	RTL 8100C	-

Optional Accessories

Part Number	Description
1703100260	USB cable with 2 ports (2.0 mm pitch)
1700008762	Dual-COM port cable kit for COM 3-4
PCA-SATAP2-00A1E	IDE/SATA Adapter for CPU cards

Packing List

Part Number	Description	Quantity
1701260305	COM2 + LPT cable	x 1
1700060202	Y-cable for PS/2 Keyboard, PS/2 Mouse	x 1
1701400452	EIDE (HDD) cable	x 1
9689000002	Jumper pack	x 1
1700008887	USB cable with 4 ports (2.0 mm pitch)	x 1
-	Utility CD	x 1
-	Startup manual	x 1

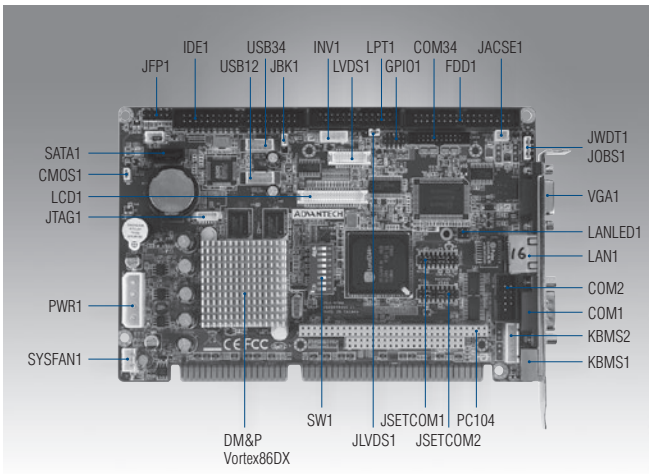
Bracket View

PCA-6742LV-00A1E

PCA-6742VE-00A1E

PCA-6743

DM&P Vortex86DX ISA Half-size SBC with LVDS/LAN/PC104/CFC/8 COM and PC/104



Features

- Ultra low power, fanless DM&P Vortex86DX processor and 512/256 MB onboard DDR2 memory
- VGA+LCD dual video outputs
- Integrate floating-point unit and supports FDD/PC104
- Optional module for 4 x RS-485 w/auto-flow control

Specifications

Processor System	CPU	DM&P Vortex86DX
	Max. Speed	800 MHz
	L1 Cache	16 KB I/D-Cache
	L2 Cache	256 KB
	Chipset	DM&P Vortex86DX
	BIOS	Award integrated 256 KB ROM in DM&P Vortex86DX
Bus	ISA	Full 16-bit ISA Bus signal
Memory	Technology	Default onboard DDR2 256MB (For VE SKU) Default onboard DDR2 512MB (For F SKU)
	Socket	-
Graphics	Controller	Chipset integrated VGA controller VGA mode: SM712 graphics chip supports 1024 x 768 @ 24-bit true color LCD mode: SMI SM712 2D graphics chip supports 1024 x 768 @ 18/24 bit TFT
	VRAM	4-MB display display memory
	LVDS	Yes (Optional)
	TTL	Up to 24-bit TTL for TFT LCD
	Dual Display	Supports VGA+LCD simultaneous display
Ethernet	Interface	10/100 Mbps
	Controller	LAN on Vortex86DX
	Connector	RJ-45 x 1
EIDE	Mode	UDMA 100
	Channel	1 (2 IDE devices from secondary IDE)
SATA (150 MB/s)	Port	1 (F SKU)
I/O Interface	USB	4 (USB 2.0 ports)
	Serial	F SKU: 2 RS-232/422/485 (1 Real I/O and 1 Pin header) + 2 RS-232 (with Pin header) VE SKU: 2 RS-232 (1 Real I/O and 1 Pin header) Optional: PCA-COM485; Add 4 RS-422/485 with Auto-Flow Control (Need to check if IRQ is available or not)
	Parallel	1 (EPP/ECP/SPP)
	FDD	1
	GPIO	8-bit 4 in/ 4 out
	PS/2	6-pin DIN socket on bracket for PS/2 keyboard and mouse. 6-pin (2.54 mm) wafer box connector for keyboard only
Watchdog Timer	Output	System reset/IRQ11
	Interval	Programmable, 1~255 min/sec
Miscellaneous	Audio Output	-
	Solid State Disk	Compact Flash socket (Type I/II) from secondary master
Power Requirement	Voltage@ Current	+12 V@0.04 A; +5 V@1.44 A
Environment		Operating / Non-Operating
	Temperature	0 ~ 60° C (32 ~ 140° F) (operating humidity: 40° C @ 85% RH Non-Condensing) / -40° C ~ 85° C and 60° C @ 95% RH Non-Condensing
Physical	Dimensions	185 mm (L) x 122 mm (W) (7.3" x 4.8")

Optional Accessories

Part Number	Description
PCA-COM485	4 x RS-422/485 COM module
1700003194	Serial ATA HDD data cable
1703150102	Serial ATA HDD power cable
MBPC-641BP-60E	4-slot chassis w/150W power supply
IPC-6806SB-15ZB	6-slot chassis w/150W power supply
1700014398	4-port USB cable kit (2.0 mm pitch)

Packing List

Part Number	Description	Quantity
1700060202	Y cable for PS/2 keyboard, PS/2 mouse	x 1
1701400607	E-IDE (HDD) cable (2.54 mm 40P 600 mm)	x 1
1700014398	4-port USB cable kit (2.0 mm pitch)	x 1
1701340705	FDD cable (2.54 mm 700 mm) (For F SKU)	x 1
1701260305	COM2 (2.54 mm) + LPT (2.54 mm) cable (For F SKU)	x 1
1700008762	Dual-COM port cable kit for COM 3-4 (2.00 mm) (For F SKU)	x 1

Ordering Information

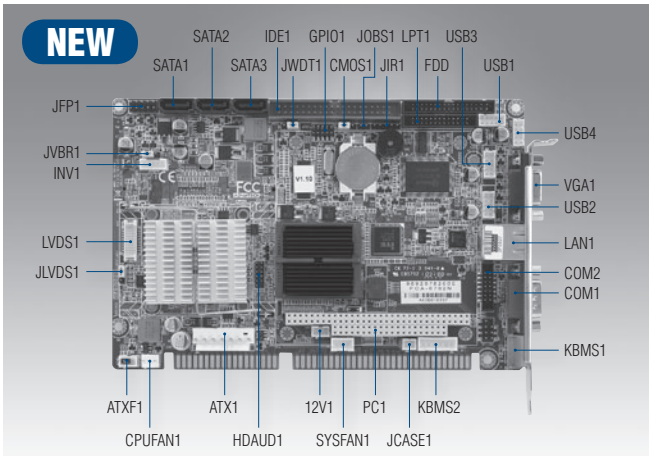
P/N	VAG	TTL	LVDS	SATA	COM	PC104	LPT	FDD	Onboard RAM
PCA-6743VE-Q0A1E	1	1	Optional	-	2 RS-232	-	1	1	256 MB
PCA-6743F-Q0A1E	1	1	Optional	1	2 RS-232 2 RS-232/422/485	1	1	1	512 MB

Bracket View

PCA-6743VE-Q0A1E
PCA-6743F-Q0A1E

PCA-6782

Intel® Atom® N455/D525 ISA Half-size SBC with VGA/LVDS/GbE LAN/SATA/COM/CFC/ FDD and PC/104



Features

- Ultra low power, fanless N455 CPU and maximum 2 GB DDR2 667 memory (Only for N SKU)
- Dual core high performance D525 CPU and maximum 2 GB DDR2 667/800 memory (Only for D SKU)
- VGA/LVDS dual video outputs
- Optional module for 4 x RS-485 w/ auto-flow control
- Supports embedded software APIs and utilities

Software APIs: Watchdog, H/W Monitor, Brightness, GPIO, Backlight On/Off, CPU Speed, System Throttling

Utilities: BIOS flash, Monitoring, Flash Lock, Embedded Security ID, eSOS (Requires BIOS Customization)

Specifications

Processor System	CPU	Intel Atom N455	Intel Atom D525
	Speed	1.66 GHz	1.8 GHz
	L2 Cache	512 KB	1 MB
	Chipset	Intel ICH8M	
	BIOS	AMI 16Mb SPI Flash	
Bus	PCI	N/A	
	ISA	16-bit/ Gold Finger	
Memory	Technology	Single channel DDR2 667 MHz	Single channel DDR2 667/800 MHz
	Max. Cap.	max 2 GB SODIMM	Max. Cap. max 2 GB SODIMM
	Socket	200-pin DIMM x 1	Socket 200-pin DIMM x 1
Graphics	On board	Embedded Gen3.5+ GFX Core technology, Direct X 9/ Pixel Shader 2.0 compliant	
	VRAM	Shared 224 MB	
	Video Interface	15-pin VGA D-sub connector x1/Onboard LVDS pin header x 1 (supports single channel 18-bit LVDS)	
	Video Output	VGA: Supports up to SXGA 1400 x 1050 @ 60 Hz for N SKU, up to 2048 x 1536 @ 60 Hz for D SKU LVDS: Supports 18-bit single channel and up to WXGA 1366 x 768 or 1280 x 800 for both N and D SKUs Dual Display: VGA + LVDS, support extended mode and clone mode for both N and D SKUs	
Ethernet	Interface	10/100/1000 Mbps	
	Controller	LAN1: Intel 82567V	
	Connector	RJ45 with LED Connector x1	
SATA 2	Max. Transfer Rate	300 MB/s	
	Channel	3	
EIDE	Mode	ATA 100/66/33	
	Channel	1 (Supports up to 2 IDE devices; Master device is alternative for CF socket)	
I/O Interface	USB 2.0	8 ports on the SHB	
	Serial	Two RS-232 onboard pin-headers, plus four ports of RS-485 with auto-flow control by module (optional, Advantech P/N: PCA-COM485-00A1E)	
	Parallel	1 (EPP/ECP)	
	GPIO	1 (8-bit)	
	FDD	1	
	PS/2	1 (for mouse and keyboard, a Y cable is included in the package)	
Watchdog Timer	Output	Interrupt, system reset	
	Interval	Programmable, 1~255 min/sec	
Miscellaneous	Audio Output	Intel High Definition audio interface (requires an audio extension module, P/N: PCA-AUDIO-HDA1E)	
Power Requirement	Test Equipment	Atom D525 CPU 1.8 GHz; Memory: One of 2 GB DDR2 667 MHz SODIMM; Storage: One SATA HDD	
	Test Program	Hot CPU pro 4.22	
	Voltage@Current	+12 V@0.46 A; +5 V@2.41 A; +5 VSB@0.01 A	
	Test Equipment	Atom N455 CPU 1.66 GHz; Memory: One of 2 GB DDR2 667 MHz SODIMM; Storage: One SATA HDD	
	Test Program	Hot CPU pro 4.22	
	Voltage@Current	+12 V@0.13 A; +5 V@2.19 A; +5 VSB@0.01 A	
Environment		Operating	Non-Operating
	Temperature	0 ~ 60° C (32 ~ 140° F) (Operational humidity: 40° C @ 85% RH Non-Condensing)	-40 ~ 85° C and 60° C @ 95% RH Non-Condensing
Physical	Dimensions	185 mm (L) x 122 mm (W) (7.3" x 4.8")	

Optional Accessories

Part Number	Description
PCA-COM485-00A1E	Extension module for four ports of RS-422/485 with auto-flow control function
PCA-AUDIO-HDA1E	Extension module for 7.1 channel High Definition audio
1700340640	FDD cable

Packing List

Part Number	Description	Quantity
1960046526N001	CPU Cooler for Atom D510 CPU (Only Available for D SKU)	x 1
1701400452	Ultra ATA 66/100 HDD cables	x 1
1700003194	Serial ATA HDD data cable	x 2
1703150102	Serial ATA HDD power cable	x 2
1700008954	Print port & COM port cable	x 1
1700002343	ATX Feature Cable	x 1
1700014398	4-port USB cable kit	x 1
1700060202	Y cable for PS/2 keyboard and PS/2 mouse	x 1
1703070101	ATX Power Cable 20P/7P 10 cm	x 1
1703080101	AT Power Cable	x 1
9689000002	Jumper Pack	x 1
-	Warranty card	x 1
-	PCA-6782 Startup Manual	x 1
-	CD with driver utility and manual (in PDF format)	x 1

Ordering Information

P/N	CPU	Fan-Less	LAN	PC104	LVDS	FDD	SATA	USB	RAM
PCA-6782D-S8A1E	Atom D525	No	Single GbE LAN	Yes	Yes	1	3	8	Socket to 2G
PCA-6782N-S6A1E	Atom N455	Yes	Single GbE LAN	Yes	Yes	1	3	8	Socket to 2G

Bracket View

PCA-6782D-S8A1E
PCA-6782N-S6A1E

PICMG 1.3 Full-size SHB Backplanes

Server Grade Backplanes

Compatible with PCE-7000 Series System Host Boards

1U Butterfly Backplanes

PCE-7B03V-01A1E

- 3-slot Butterfly BP for 1U chassis
- Segments: 1
- One CPU card slot
- PCIe slot: One x8
- PCI-X slot: N/A
- PCI slot: One 32/33
- Compatible with IPC chassis: ACP-1320, ACP-1010

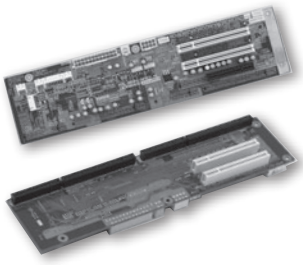
PCE-7B03V-00A1E

- 3-slot Butterfly BP for 1U chassis
- Segments: 1
- One CPU card slot
- PCIe slot: Two x8
- PCI-X slot: N/A
- PCI slot: N/A
- Compatible with IPC chassis: ACP-1320, ACP-1010

2U Butterfly Backplanes

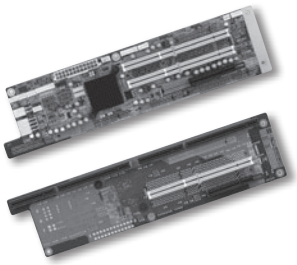
PCE-7B06V-04A1E

- 6-slot Butterfly BP for 2U chassis
- Segment: 1
- One CPU card slot
- PCIe slot: One x8
- PCI-X slot: N/A
- PCI slot: Four 32/33
- Compatible with IPC chassis: ACP-2000EBP and IPC-602EBP



PCE-7B06V-30A1E

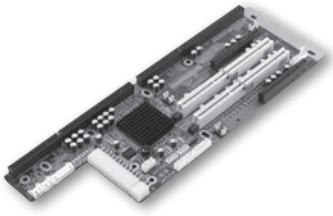
- 6-slot Butterfly BP for 2U chassis
- Segment: 1
- One CPU card slot
- PCIe slot: Two x8
- PCI-X slot: Two 64/100; one 64/133
- PCI slot: N/A
- Compatible with IPC chassis: ACP-2000EBP and IPC-602EBP



5-slot Wallmount Chassis Backplanes

PCE-7B05-20A1E

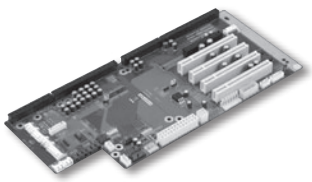
- 5-slot BP for 5-slot chassis
- Segments: 1
- One CPU card slot
- PCIe slot: Two x8
- PCI-X slot: Two 64/133
- PCI slot: N/A
- Compatible with IPC chassis: IPC-6025



6-slot Wallmount Chassis Backplanes

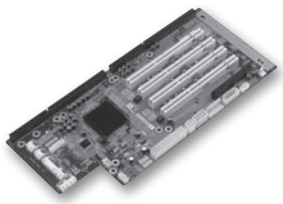
PCE-7B06-04A1E

- 6-slot BP for 6-slot chassis
- Segment: 1
- One CPU card slot
- PCIe slot: One x8
- PCI-X slot: N/A
- PCI slot: Four 32/33
- Compatible with IPC chassis: IPC-6606



PCE-7B06-40A1E

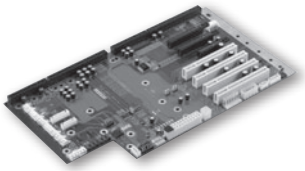
- 6-slot BP for 6-slot chassis
- Segment: 1
- One CPU card slot
- PCIe slot: One x8
- PCI-X slot: Four 64/100
- PCI slot: N/A
- Compatible with IPC chassis: IPC-6606



PICMG 1.3 Full-size SHB Backplanes

8-slot Wallmount Chassis Backplanes

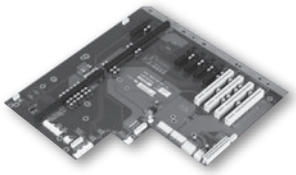
PCE-7B08-04A1E



- 8-slot BP for 8-slot chassis
- Segment: 1
- One CPU card slot
- PCIe slot: Two x8; One x4
- PCI-X slot: N/A
- PCI slot: Four 32/33
- Compatible with IPC chassis: IPC-6608 and IPC-6908

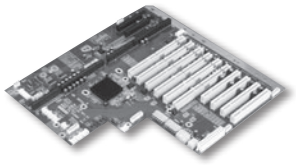
14-slot Rackmount Chassis Backplanes

PCE-7B10-04A1E



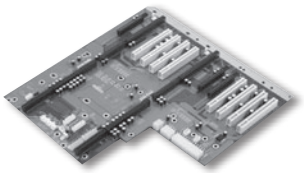
- 10-slot BP for 14-slot chassis
- Segment: 1
- One CPU card slot
- PCIe slot: Five x4
- PCI-X slot: N/A
- PCI slot: Four 32/33
- Compatible with IPC chassis: IPC-610, IPC-611, IPC-630, ACP-4000, ACP-4320 and ACP-4360, ACP-4010

PCE-7B13-64B1E



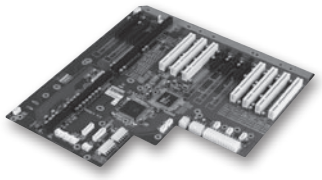
- 13-slot BP for 14-slot chassis
- Segment: 1
- One CPU card slot
- PCIe slot: Two x8
- PCI-X slot: Two 64/100; Four 64/66
- PCI slot: Four 32/33
- Compatible with IPC chassis: IPC-610, IPC-611, IPC-630, ACP-4000, ACP-4320 and ACP-4360, ACP-4010

PCE-7B13D-04A1E



- 13-slot BP for 14-slot chassis
- Segments: 2
- **Each segment:**
  One CPU card slot
  PCIe slot: One or Two x8
  PCI-X slot: N/A
  PCI slot: Four 32/33
  Compatible with IPC chassis: ACP-4010

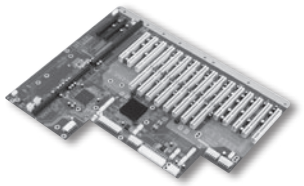
PCE-7B13-07A1E



- 13-slot BP for 14-slot chassis
- Segment: 1
- One CPU card slot
- PCIe slot: Two x8, Three x4
- PCI-X slot: N/A
- PCI slot: Seven 32/33
- Compatible with IPC chassis: IPC-610, IPC-611, IPC-630, ACP-4000, ACP-4320, ACP-4360, ACP-4010

20-slot Rackmount Chassis Backplanes

PCE-7B19-88A1E



- 19-slot BP for 20-slot chassis
- Segments: 1
- One CPU card slot
- PCIe slot: Two x8
- PCI-X slot: Eight 64/66
- PCI slot: Eight 32/33
- Compatible with IPC chassis: IPC-623, ACP-5360 and ACP-7360

PCE-7B16Q-02A1E

- 16-slot BP for 20-slot chassis
- Segments: 4
- **Each segment:**
  One CPU card slot
  PCIe slot: One x8
  PCI-X slot: N/A
  PCI slot: Two 32/33
  Compatible with IPC chassis: IPC-623, ACP-5360, ACP-7360

Mainstream Backplanes

RoHS COMPLIANT 2002/95/EC

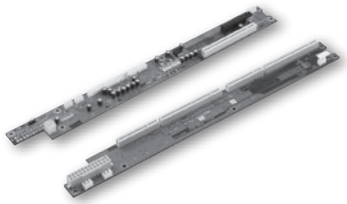
Compatible with PCE-5000 Series System Host Board

1U Butterfly Backplanes

PCE-5B03V-01A1E

- 3-slot Butterfly BP for 1U chassis
- Segments: 1
- One CPU card slot
- PCIe slot: One x16
- PCI-X slot: N/A
- PCI slot: One 32/33
- Compatible with IPC chassis: ACP-1320, ACP-1010

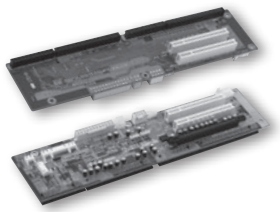
PCE-5B03V-00A1E



- 3-slot Butterfly BP for 1U chassis
- Segments: 1
- One CPU card slot
- PCIe slot: One x16; One x4
- PCI-X slot: N/A
- PCI slot: N/A
- Compatible with IPC chassis: ACP-1320, ACP-1010

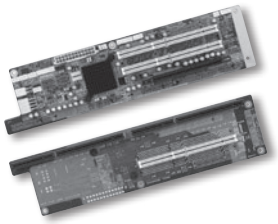
2U Butterfly Backplanes

PCE-5B06V-04A1E



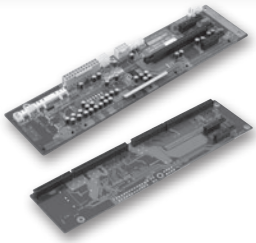
- 6-slot Butterfly BP for 2U chassis
- Segments: 1
- One CPU card slot
- PCIe slot: One x16
- PCI-X slot: N/A
- PCI slot: Four 32/33
- Compatible with IPC chassis: ACP-2000EBP and IPC-602EBP

PCE-5B05V-30A1E



- 5-slot Butterfly BP for 2U chassis
- Segments: 1
- One CPU card slot
- PCIe slot: One x16
- PCI-X slot: Two 64/100; one 64/133
- PCI slot: N/A
- Compatible with IPC chassis: ACP-2000EBP and IPC-602EBP

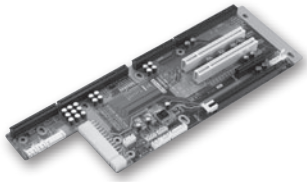
PCE-5B06V-00A1E



- 6-slot Butterfly BP for 2U chassis
- Segments: 1
- One CPU card slot
- PCIe slot: One x16; Four x1
- PCI-X slot: N/A
- PCI slot: N/A
- Compatible with IPC chassis: ACP-2000EBP and IPC-602EBP

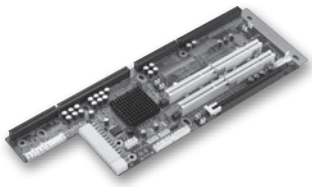
5-slot Wallmount Chassis Backplanes

PCE-5B05-02A1E



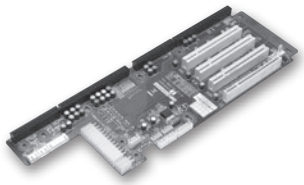
- 5-slot BP for 5-slot chassis
- Segments: 1
- One CPU card slot
- PCIe slot: One x16; One x4
- PCI-X slot: N/A
- PCI slot: Two
- Compatible with IPC chassis: IPC-6025

PCE-5B04-20A1E



- 4-slot BP for 5-slot chassis
- Segments: 1
- One CPU card slot
- PCIe slot: One x16
- PCI-X slot: Two 64/133
- PCI slot: N/A
- Compatible with IPC chassis: IPC-6025

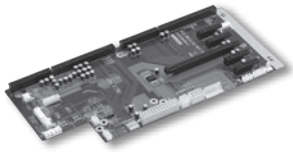
PCE-5B05-04A1E



- 5-slot BP for 5-slot chassis
- Segments: 1
- One CPU card slot
- PCIe slot: N/A
- PCI-X slot: N/A
- PCI slot: Four 32/33
- Compatible with IPC-6025

6-slot Wallmount Chassis Backplanes

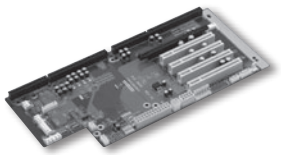
PCE-5B06-00A1E



- 6-slot BP for 6-slot chassis
- Segments: 1
- One CPU card slot
- PCIe slot: One x16; Four x1
- PCI-X slot: N/A
- PCI slot: N/A
- Compatible with IPC chassis: IPC-6606

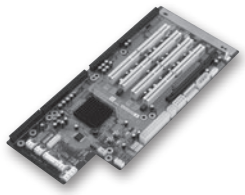
6-slot Wallmount Chassis Backplanes

PCE-5B06-04A1E



- 6-slot BP for 6-slot chassis
- Segments: 1
- One CPU card slot
- PCIe slot: One x16
- PCI-X slot: N/A
- PCI slot: Four 32/33
- Compatible with IPC chassis: IPC-6606

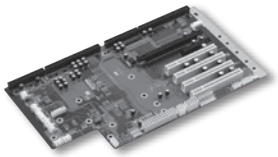
PCE-5B06-40A1E



- 6-slot BP for 6-slot chassis
- Segments: 1
- One CPU card slot
- PCIe slot: One x16
- PCI-X slot: Four 64/100
- PCI slot: N/A
- Compatible with IPC chassis: IPC-6606

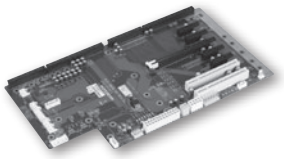
8-slot Wallmount Chassis Backplanes

PCE-5B07-04A1E



- 7-slot BP for 8-slot chassis
- Segments: 1
- One CPU card slot
- PCIe slot: One x16; One x4
- PCI-X slot: N/A
- PCI slot: Four 32/33
- Compatible with IPC chassis: IPC-6608 and IPC-6908

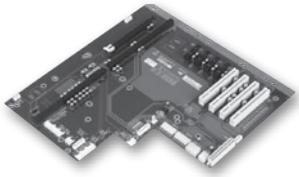
PCE-5B08-02A1E



- 8-slot BP for 8-slot chassis
- Segments: 1
- One CPU card slot
- PCIe slot: One x16; Four x1
- PCI-X slot: N/A
- PCI slot: Two 32/33
- Compatible with IPC chassis: IPC-6608 and IPC-6908

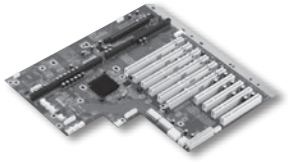
14-slot Rackmount Chassis Backplanes

PCE-5B10-04A1E



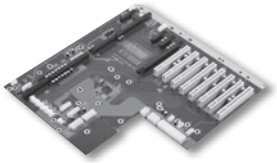
- 10-slot BP for 14-slot chassis
- Segments: 1
- One CPU card slot
- PCIe slot: One x16; Four x1
- PCI-X slot: N/A
- PCI slot: Four 32/33
- Compatible with IPC chassis: IPC-610, IPC-611, IPC-630, ACP-4000, ACP-4320, and ACP-4360, ACP-4010

PCE-5B12-64B1E



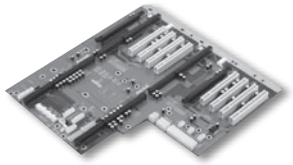
- 12-slot BP for 14-slot Chassis
- Segments: 1
- One CPU card slot
- PCIe slot: One x16
- PCI-X slot: Two 64/100; Four 64/66
- PCI slot: Four 32/33
- Compatible with IPC chassis: IPC-610, IPC-611, IPC-630, ACP-4000, ACP-4010, ACP-4320, and ACP-4360

PCE-5B13-08A1E



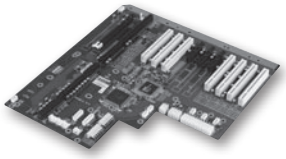
- 13-slot BP for 14-slot chassis
- Segments: 1
- One CPU card slot
- PCIe slot: One x16; Three x1
- PCI-X slot: N/A
- PCI slot: Eight 32/33
- Compatible with IPC chassis: IPC-610, IPC-611, IPC-630, ACP-4000, ACP-4010, ACP-4320, and ACP-4360

PCE-5B12D-04A1E



- 12-slot BP for 14-slot chassis
- Segments: 2
- **Each segment:**
  One CPU card slot
  PCIe slot: One x16
  PCI-X slot: N/A
  PCI slot: Four 32/33
  Compatible with IPC chassis: ACP-4010

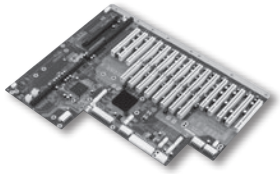
PCE-5B12-07A1E



- 13-slot BP for 14-slot chassis
- Segment: 1
- One CPU card slot
- PCIe slot: One x16, Three x4
- PCI-X slot: 0
- PCI slot: Seven 32/33
- Compatible with IPC chassis: IPC-610, IPC-611, IPC-630, ACP-4000, ACP-4320, ACP-4360, ACP-4010

20-slot Rackmount Chassis Backplanes

PCE-5B18-88A1E



- 18-slot BP for 20-slot chassis
- Segments: 1
- One CPU card slot
- PCIe slot: One x16
- PCI-X slot: Eight 64/66
- PCI slot: Eight 32/33
- Compatible with IPC chassis: IPC-623, ACP-5360 and ACP-7360

PCE-5B16Q-02A1E

- 16-slot BP for 20-slot chassis
- Segments: 4
- **Each segment:**
  One CPU card slot
  PCIe slot: One x16
  PCI-X slot: N/A
  PCI slot: Two 32/33
  Compatible with IPC chassis: IPC-623, ACP-5360, ACP-7360

PCI/ISA Backplanes

1U Butterfly Backplanes

Compatible with IPC Chassis: ACP-1010/ACP-1320

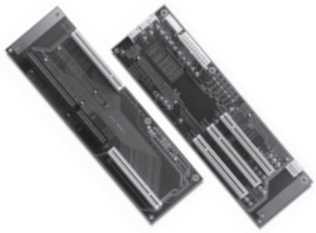
PCA-6103P2V-0A2E

- Segments: 1
- Slots: 2 PCI, 1 CPU
- PCI bus: 32-bit/33 MHz
- Size: 40 x 400 mm (1.57" x 15.75")
- Ordering Information: 989K610302E

2U Butterfly Backplanes

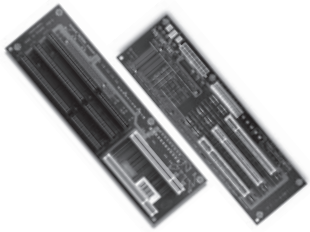
Compatible with IPC Chassis: ACP-2000/IPC-602

PCA-6105P4V-0B3E



- Segments: 1
- Slots: 4 PCI, 1 PICMG
- PCI bus: 32-bit/33 MHz
- Size: 80 x 260 mm (3.15" x 10.23")
- Ordering Information: 989K610511E

PCA-6106P3V-0B2E

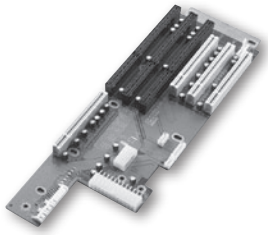


- Segments: 1
- Slots: 1 ISA, 3 PCI, 2 PICMG
- PCI bus: 32-bit/33 MHz
- Size: 80 x 260 mm (3.15" x 10.23")
- Ordering Information: 989K610622E

5-slot PCI/ISA Backplanes

Compatible with IPC Chassis: IPC-6025

PCA-6105P3-5A1E



- Segments: 1
- Slots: 1 ISA, 2 PCI, 1 PICMG, 1 PCI/ISA
- Size: 106.5 mm x 327.66 mm (4.19" x 12.9")
- Ordering Information: PCA-6105P3-5A1E

PCI/ISA Backplanes

6-slot PCI/ISA Backplanes

Compatible with IPC Chassis: IPC-6806/IPC-6606/IPC-6006

PCA-6106P4-0A2E

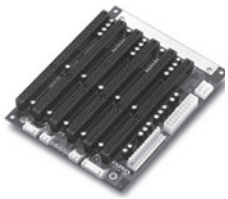
- Segments: 1
- Slots: 4 PCI, 2 PICMG
- Size: 142 x 270 mm (5.59" x 10.63")
- Ordering Information: PCA-6106P4-0A2E

PCA-6106P3-0D2E

- Segments: 1
- Slots: 2 ISA, 2 PCI, 1 PICMG/PCI, 1 PICMG
- Size: 142 x 270 mm (5.59" x 10.63")
- Ordering Information: PCA-6106P3-0D2E

PCA-6106-0B2E

- Segments: 1
- Slots: 6 ISA
- Size: 142 x 175 mm (5.59" x 6.89")
- Ordering Information: PCA-6106-0B2E

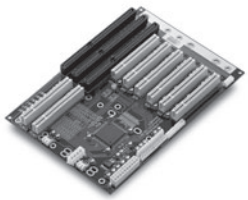


8-slot PCI/ISA Backplanes

Compatible with IPC Chassis: IPC-6908/IPC-6608

PCA-6108P6-0B4E

- Segments: 1
- Slots: 1 ISA, 5 PCI, 1 PICMG/PCI, 1 PICMG
- Size: 180 x 260 mm (7.09" x 10.24")
- PCI bridge: Tsi352-66CQY
- Primary PCI: 3 slots; Secondary PCI: 3 slots
- Ordering Information: PCA-6108P6-0B4E



PCA-6108P4-0C2E

- Segments: 1
- Slots: 3 ISA, 3 PCI, 1 PICMG/PCI, 1 PICMG
- Size: 180 x 260 mm (7.09" x 10.24")
- Ordering Information: PCA-6108P4-0C2E

PCA-6108E-0C2E

- Segments: 1
- Slots: 8 ISA
- Size: 180 x 190 mm (7.09" x 7.48")
- Ordering Information: PCA-6108E-0C2E

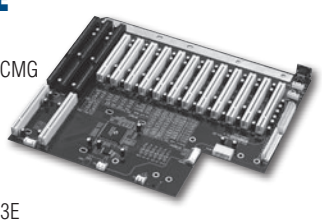
PCA-6108-0B2E

- Segments: 1
- Slots: 8 ISA
- Size: 222 x 171 mm (8.74" x 6.73")
- Only for commercial PC chassis (baby AT size)
- Ordering Information: PCA-6108-0B2E

14-slot PCI/ISA Backplanes

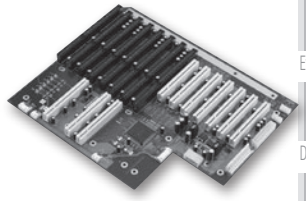
Compatible with IPC Chassis: ACP-4000, ACP-4010, ACP-4320, ACP-4360, IPC-510, IPC-610, IPC-611 and IPC-630

PCA-6114P12-0B3E



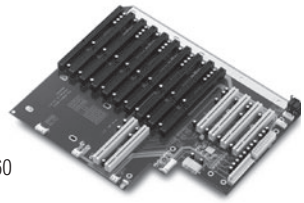
- Segments: 1
- Slots: 1 ISA, 11 PCI, 1 PICMG/PCI, 1 PICMG
- Size: 315 x 300 mm (12.4" x 11.8")
- PCI bridge: Pericom PI7C8150BMAE
- Primary PCI: 3 slots;
  Secondary PCI: 9 slots
- Ordering Information: PCA-6114P12-0B3E

PCA-6114P7-0D3E



- Segments: 1
- Slots: 4 ISA, 6 PCI, 3 PICMG, 1 PCI/ISA
- Size: 315 x 260 mm (12.4" x 10.24")
- PCI bridge: Tsi352-66CQY
- Primary PCI: 3 slots; Secondary PCI: 4 slots
- Ordering Information: PCA-6114P7-0D3E

PCA-6114P4-0C2E



- Segments: 1
- Slots: 8 ISA, 4 PCI, 2 PICMG
- Size: 315 x 260 mm (12.4" x 10.24")
- Ordering Information: PCA-6114P4-0C2E
- When choosing to install in ACP-4320, 4360 and IPC-510 chassis, 1U cooler is required

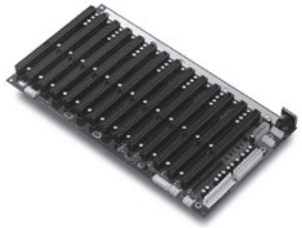
PCA-6113P4R-0C2E

- Segments: 1
- Slots: 7 ISA, 4 PCI, 2 PICMG
- Size: 315 x 260 mm (12.4" x 10.24")
- Ordering Information: PCA-6113P4R-0C2E

PCA-6115-0B2E

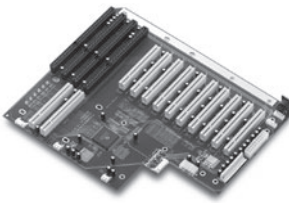
- Segments: 1
- Slots: 15 ISA
- Size: 326 x 190 mm (12.83" x 7.48")
- Compatible with IPC-615
- Ordering Information: PCA-6115-0B2E

PCA-6114-0B2E



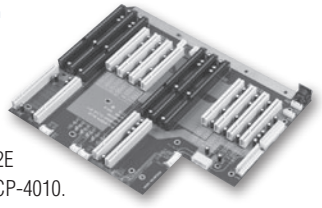
- Segments: 1
- Slots: 14 ISA
- Size: 315 x 175 mm (12.4" x 6.89")
- Ordering Information: PCA-6114-0B2E

PCA-6114P10-0B2E



- Segments: 1
- Slots: 2 ISA, 10 PCI, 2 PICMG
- Size: 315 x 260 mm (12.4" x 10.24")
- PCI bridge: Pericom PI7C8150BMAE
- Primary PCI: 3 slots;
  Secondary PCI: 7 slots
- Ordering Information: PCA-6114P10-0B2E

PCA-6113DP4-0A2E



- Segments: 2
- Slots: 2 ISA, 7 PCI, 1 PICMG/
  PCI, 3 PICMG
- Size: 315 x 260 mm (12.4" x 10.24")
- Ordering Information: PCA-6113DP4-0A2E
- Compatible with IPC Chassis: Only for ACP-4010.

20-slot PCI/ISA Backplanes

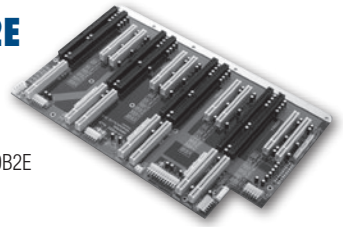
Compatible with IPC Chassis : IPC-623, IPC-622, ACP-7360, ACP-5360

PCA-6120DP4-0B2E

- Segments: 2
- Slots: 7 ISA, 6 PCI, 2 PICMG/PCI, 4 PICMG
- Size: 420 x 260 mm (16.42" x 10.24")
- Ordering Information: PCA-6120DP4-0B2E

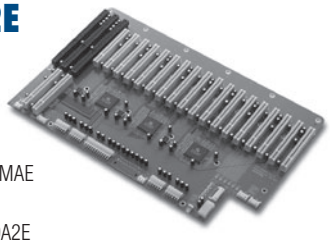
PCA-6116QP2-0B2E

- Segments: 4
- Slots: 1 ISA, 8 PCI, 7 PICMG
- Size: 417 x 260 mm (16.42" x 10.24")
- Ordering Information: PCA-6116QP2-0B2E



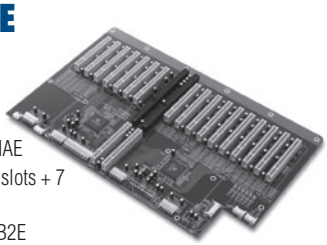
PCA-6120P18-0A2E

- Segments: 1
- Slots: 1 ISA, 17 PCI, 1 PICMG/PCI, 1 PICMG
- Size: 417 x 260 mm (16.42" x 10.24")
- PCI bridge: Three Pericom PI7C8150BMAE
- Secondary: 6 slot/6 slot/6 slot
- Ordering Information: PCA-6120P18-0A2E



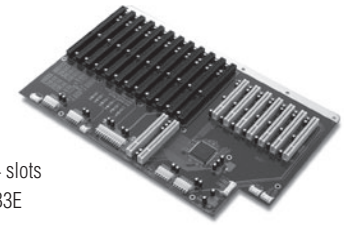
PCA-6119P17-0B2E

- Segments: 1
- Slots: 16 PCI, 1 PICMG/PCI, 1 PICMG
- Size: 417 x 260 mm (16.42" x 10.24")
- PCI bridge: Dual Pericom PI7C8150BMAE
- Primary PCI: 2 slots; Secondary PCI: 8 slots + 7 slots
- Ordering Information: PCA-6119P17-0B2E



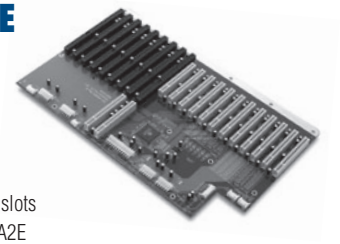
PCA-6119P7-0B3E

- Segments: 1
- Slots: 10 ISA, 7 PCI, 2 PICMG
- Size: 417 x 260 mm (16.42" x 10.24")
- PCI bridge: Tsi352-66CQY
- Primary PCI: 3 slots; Secondary PCI: 4 slots
- Ordering Information: PCA-6119P7-0B3E



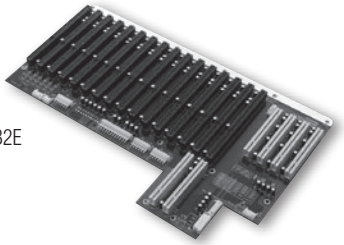
PCA-6120P12-0A2E

- Segments: 1
- Slots: 7 ISA, 11 PCI, 1 PICMG/PCI, 1 PICMG
- Size: 417 x 260 mm (16.42" x 10.24")
- PCI bridge: Pericom PI7C8150BMAE
- Primary PCI: 3 slots; Secondary PCI: 9 slots
- Ordering Information: PCA-6120P12-0A2E



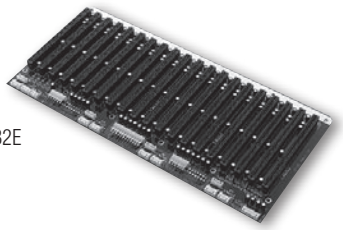
PCA-6120P4-0B2E

- Segment: 1
- Slots: 14 ISA, 4 PCI, 2 PICMG
- Size: 417 x 260 mm (16.42" x 10.24")
- Ordering Information: PCA-6120P4-0B2E



PCA-6120Q-0B2E

- Segment: 4
- Slots: 5-5-5-5 ISA
- Size: 417 x 200 mm (16.42" x 7.87")
- Ordering Information: PCA-6120Q-0B2E



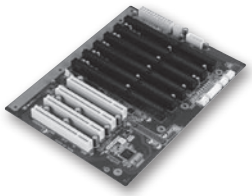
Backplanes Compatible with Half-Size SBCs

PCI/ISA Backplanes

PCI-7110P3S6-00A1E

- Segment: 1
- Slots: 3 PCI, 6 ISA
- Size: 185 x 240 mm (7.28" x 9.45")
- Compatible With IPC chassis: IPC-619S
- Ordering Information: PCI-7110P3S6-00A1E

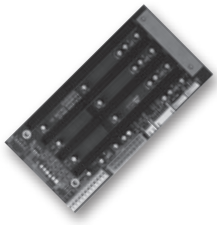
Note: Used for PCI series half-size SBCs



Pure ISA Backplanes

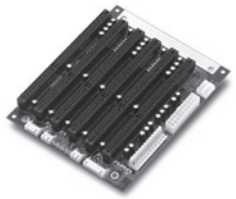
PCA-6104-0C2E

- Segments: 1
- Slots: 4 ISA
- Size: 94.7 x 186 mm (3.7" x 7.3")
- Ordering Information: PCA-6104-0C2E



PCA-6106-0B2E

- Segments: 1
- Slots: 6 ISA
- Size: 142 x 175 mm (5.59" x 6.89")
- Ordering Information: PCA-6106-0B2E



PCA-6108E-0C2E

- Segments: 1
- Slots: 8 ISA
- Size: 180 x 190 mm (7.09" x 7.48")
- Ordering Information: PCA-6108E-0C2E

PCA-6108-0B2E

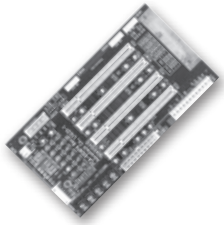
- Segments: 1
- Slots: 8 ISA
- Size: 222 x 171 mm (8.74" x 6.73")
- Only for commercial PC chassis (baby AT size)
- Ordering Information: PCA-6108-0B2E

Pure PCI Backplanes

Only Compatible with Half-size CPU Cards

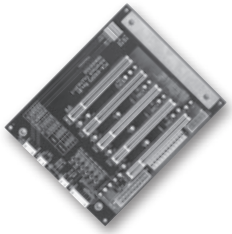
PCA-6104P4-0B2E

- Segments: 1
- Slots: 4 PCI
- Size: 110 x 180 mm (4.3" x 7")
- Ordering Information: PCA-6104P4-0B2E



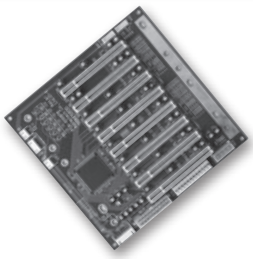
PCA-6105P5-0B2E

- Segments: 1
- Slots: 5 PCI
- Size: 143 x 155 mm (5.6" x 6")
- Compatible with IPC chassis: IPC-6806S, IPC-6606, IPC-6006S
- Ordering Information: PCA-6105P5-0B2E



PCA-6108P8-0A2E

- Segments: 1
- Slots: 8 PCI
- Size: 182 x 185 mm (7.2" x 7.3")
- Compatible With IPC Chassis: IPC-6608, IPC-6908
- Ordering Information: PCA-6108P8-0A2E



Memo